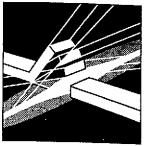




Nockenschalter T  
Cam Switches T  
Commutateurs à cames T





### Nockenschalter

können für vielfältige Schalt- und Steuerungsaufgaben eingesetzt werden. Sie sind zum Schalten von Motoren, Elektrowärmegegeräten und Beleuchtung ebenso gut geeignet wie für Steuerstromkreise.

In diesem Katalog sind 800 Standardschaltungen für den Einsatz von Nockenschaltern zusammengestellt. Suchen Sie für eine vorhandene Schaltung einen passenden Schalter, finden Sie ihn in **Teil 1** am schnellsten. Hier sind die Schalter nach Zahl der Schaltstellungen, Zahl der Kontakte und dem Frontschild sortiert. Grundlage für die Planung und Ausführung Ihrer Anwendung sind die in **Teil 2+3** enthaltene umfangreiche Bibliothek von Standardschaltungen. Die Auswahl erfolgt in diesem Teil nach Verwendungszweck und Betriebsleistung bzw. Dauerstrom des Schalters. Das umfangreiche **Bauform-Zubehör** und die **Zusatzausrüstung** zur Komplettierung des Schalters für den speziellen Anwendungszweck befindet sich im Hauptkatalog (HPL). Einen Überblick über die Ergänzungsmöglichkeiten vermitteln Ihnen die Übersichten auf den nächsten Seiten. Die aktuellen **Technischen Daten** und die **Abmessungen** sind ebenfalls im gültigen Hauptkatalog zusammengestellt.

Die **Preise** zu den in diesem Katalog enthaltenen Standardschaltern sind im **Preisblatt XK 115** alphanumerisch aufgelistet. Kann Ihre Anwendung nicht mit einem Standardschalter ausgestattet werden oder benötigen Sie ein Frontschild mit individueller Beschriftung, so finden Sie am Ende dieses Kataloges Bestellformulare, mit denen Sie Nockenschalter nach Ihren ganz speziellen Wünschen anfordern können.

### Rotary switches

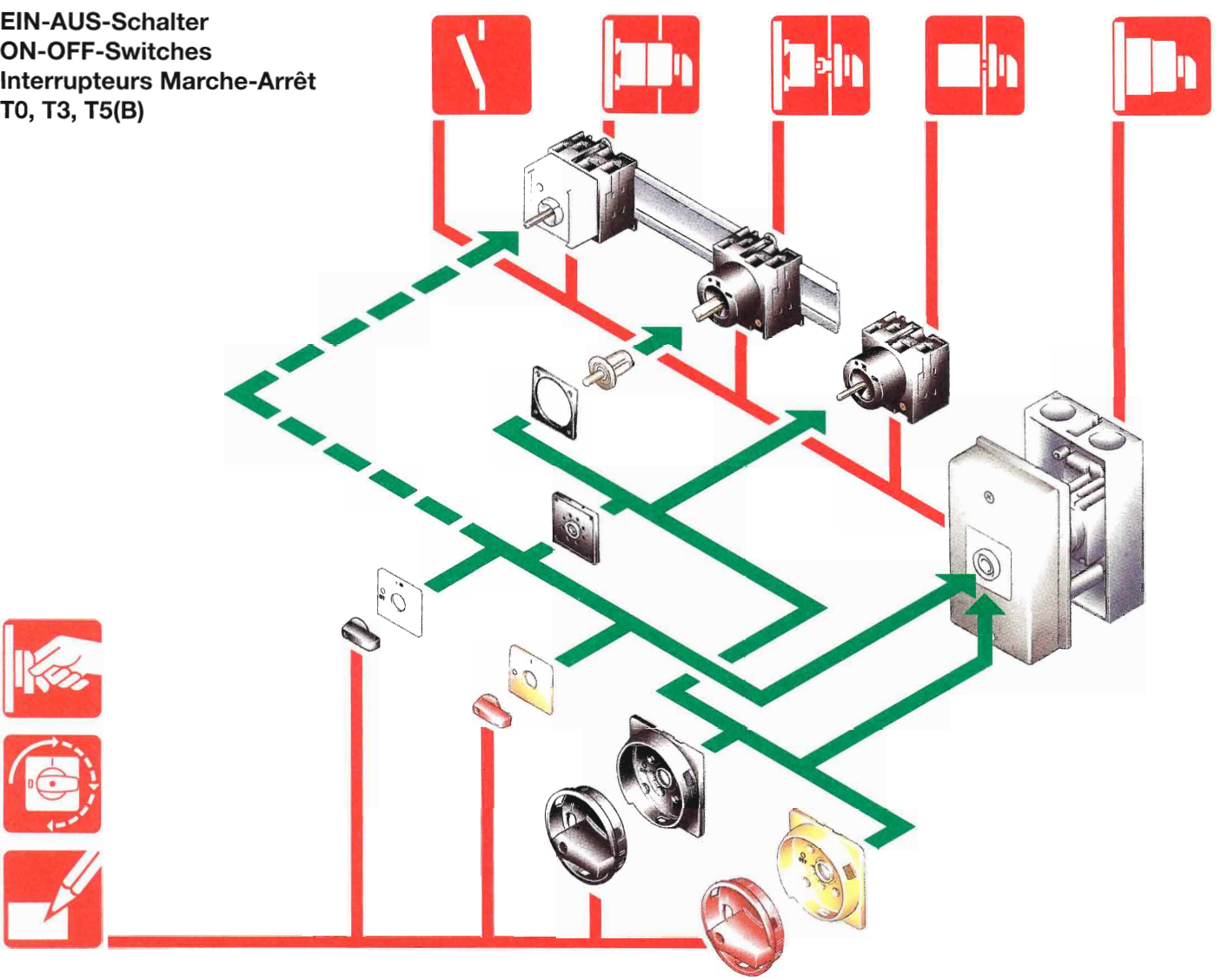
can be used for a wide range of switching and control functions. They are just as suitable for switching motors, electric heating appliances and lighting as they are for control circuits. This catalogue contains 800 standard contact sequences for the use of rotary cam switches. Use **Section 1** to find a suitable switch for the contact sequence shown. This section shows the switches according to the number of switch positions, number of contacts and front plate type. **Section 2+3** contains a comprehensive list of standard contact sequences that you can use as a basis for planning and implementing your application. Make your selection in this part according to the application, the operating rating and uninterrupted current rating of the switch. The extensive **Mounting accessories** and other **Accessories** are listed in the Main Catalogue (HPL), completing the range of switches for special applications. The following pages provide an overview of the possible extensions. The current **Technical data** and **Dimensions** can also be found in the Main Catalogue. The **Prices** of the standard switches contained in this catalogue are listed alphanumerically in the **Price List XK 115**. If your application cannot be fitted with a standard switch, order forms are provided at the back of this catalogue for ordering rotary switches to meet your particular requirements.

### Commutateurs à cames

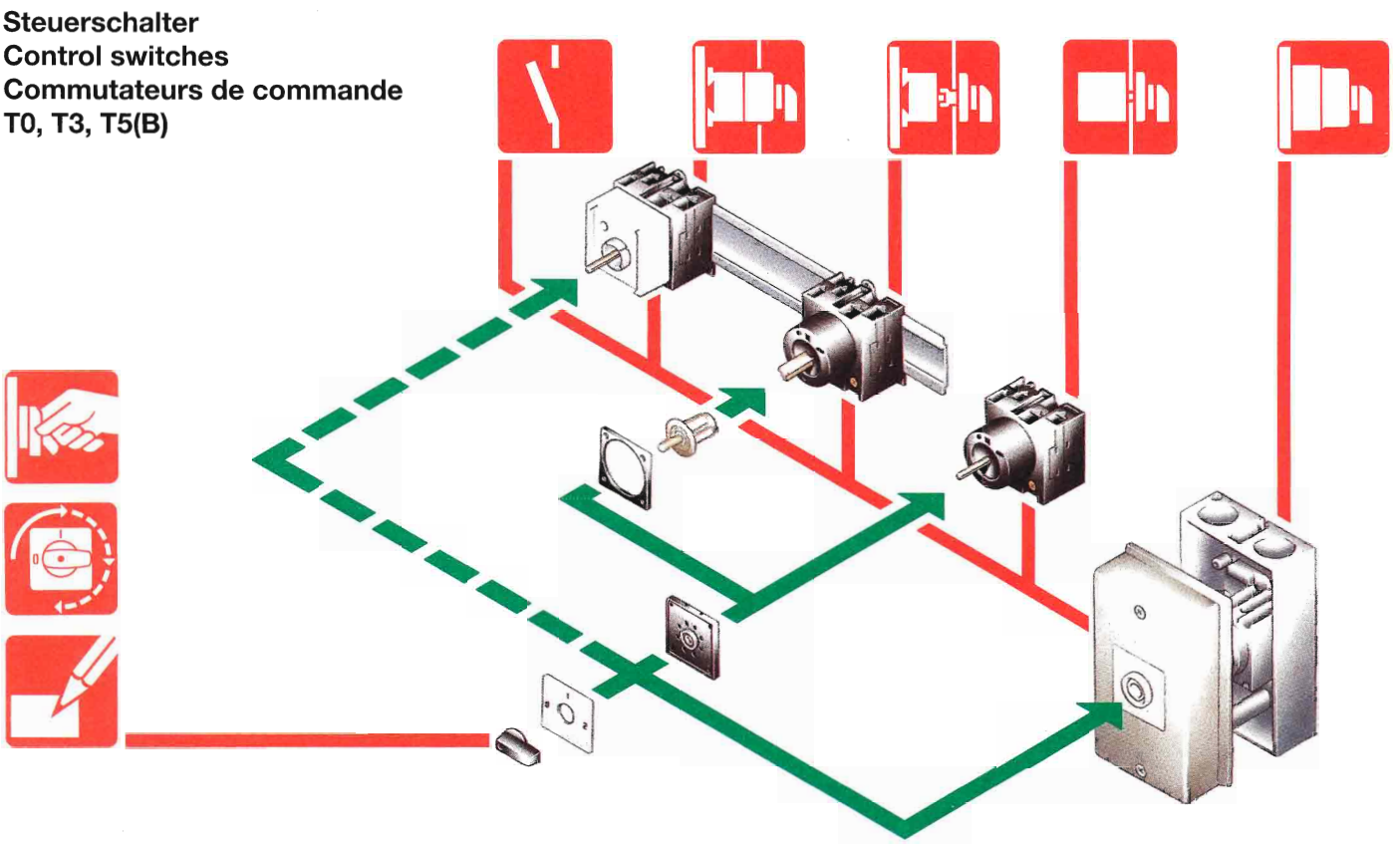
Les commutateurs à cames servent à de multiples tâches de commutation et de commande. Ils s'utilisent aussi bien dans les circuits de puissance pour la commande des moteurs, des appareils électrothermiques et de l'éclairage que dans les circuits de commande. Ce catalogue rassemble 800 schémas standards de commutateurs à cames. Si vous recherchez un commutateur pour un schéma donné, vous le trouverez plus rapidement dans la **partie 1**. Les commutateurs y sont classés selon leur nombre de positions, leur nombre de contacts et leur plastron. La **partie 2+3** contient une vaste bibliothèque de schémas standards qui servira de base à votre étude. Le choix des appareils s'effectue ici en fonction de l'application et de la puissance d'emploi ou du courant ininterrompu des commutateurs. Les nombreux **accessoires de montage** et les **équipements complémentaires** destinés aux applications spéciales figurent dans le Catalogue Général (HPL). Les pages suivantes vous donnent un aperçu des possibilités d'adjonction d'accessoires sur les commutateurs. Pour connaître les **caractéristiques techniques** et les **encombrements** des commutateurs à cames, reportez-vous au Catalogue Général. Le prix des commutateurs standards contenus dans ce catalogue figure dans la **liste de prix XK 115** (les appareils y sont classés par ordre alpha numérique). Si aucun commutateur à cames standard ne convient à votre application ou si vous avez besoin d'un plastron avec une inscription spéciale, vous trouverez à la fin de ce catalogue des formulaires qui vous permettront de commander les commutateurs souhaités.

<b>Inhalt</b>	<b>Table of contents</b>	<b>Table des matières</b>	
Übersicht	Overview	Vue d'ensemble	<b>0/02</b>
Typenschlüssel	Key to type reference	Signification des références	<b>0/06</b>
<hr/>			
<b>Teil 1</b>	<b>Part 1</b>	<b>Partie 1</b>	
<b>Steuerschalter</b>	<b>Control switches</b>	<b>Commutateurs de commande</b>	
nach Schaltstellungen und Kontaktzahl	by positions and contacts	classés par nombre de positions et de contacts	<b>1/01</b>
<hr/>			
<b>Teil 2</b>	<b>Part 2</b>	<b>Partie 2</b>	
<b>Standardschaltungen</b>	<b>Standard contact sequences</b>	<b>Schémas standards</b>	
nach Verwendungszweck	by application	classés par type d'application	
Baugröße T0, T3 bis $I_n = 32$ A	Switch size T0, T3 up to $I_n = 32$ A	Modèle T0, T3 jusqu'à $I_n = 32$ A	<b>2/01</b>
<hr/>			
<b>Teil 3</b>	<b>Part 3</b>	<b>Partie 3</b>	
<b>Standardschaltungen</b>	<b>Standard contact sequences</b>	<b>Schémas standards</b>	
nach Verwendungszweck	by application	classés par type d'application	
Baugröße T5B, T5 bis $I_n = 100$ A	Switch size T5B, T5 up to $I_n = 100$ A	Modèle T5B, T5 jusqu'à $I_n = 100$ A	<b>3/01</b>
<hr/>			
<b>Teil 4</b>	<b>Part 4</b>	<b>Partie 4</b>	
<b>Anhang</b>	<b>Appendix</b>	<b>Annexes</b>	<b>4/01</b>

EIN-AUS-Schalter  
ON-OFF-Switches  
Interrupteurs Marche-Arrêt  
T0, T3, T5(B)



Steuerschalter  
Control switches  
Commutateurs de commande  
T0, T3, T5(B)





## Aufbau (.../I)

- IP 65 total isoliert
- Isolierte N- und PE-Klemme
- Gehäuse für metrische Kabeleinführungen auf Anfrage

## Surface mounting (.../I)

- IP 65 totally insulated
- Insulated N terminal and PE terminal
- Enclosure for metric cable entry: please enquire

## En saillie (.../I)

- IP 65 à isolation totale
- Bornes N et PE isolées
- Boîtiers pour entrées de câbles métriques sur demande

## Aufbau-Hauptschalter (.../I/SVB)

- IP 65 (.../CI 19: IP 55) total isoliert
- nach IEC 204/DIN VDE 0113 und IEC 947/EN 60 947
- 0-Stellung mit 3 Vorhängeschlössern abschließbar

## Surface mounting main switches (.../I/SVB)

- IP 65 (.../CI 19: IP 55) totally insulated
- to IEC 204/EN 60 204 and IEC 947/EN 60 947
- Lockable in 0 (OFF) position using three padlocks

## Interrupteur général en saillie (.../I/SVB)

- IP 65 (.../CI 19: IP 55) à isolation totale
- Conforme à IEC 204/EN 60 204 et IEC 947/EN 60 947
- Position «0» condamnable par 3 cadenas

## Einbau (.../E)

- Front IP 65
- Einbau und Anschluß von hinten
- Anschlußklemme: Kreuzschlitzschraube „Pozidriv“
- Finger- und Handrücksicherheit

## Flush mounting (.../E)

- Front protected to IP 65
- Fitting and connection from rear
- Terminal: “Pozidriv” plus-minus screw
- Finger- and back-of-hand proof

## Encastré (.../E)

- Face avant IP 65
- Montage et raccordement par l'arrière
- Bornes de raccordement à vis cruziforme type «Pozidriv»
- Protégé contre les contacts avec les doigts et le dos de la main



## Einbau-Hauptschalter (.../EA/SVB)

- Front IP 55
- nach IEC 204/DIN VDE 0113 und IEC 947/EN 60 947
- N- und PE-Klemme

## Flush mounting main switches (.../EA/SVB)

- Front protected to IP 55
- to IEC 204/EN 60 204 and IEC 947/EN 60 947
- N terminal and PE terminal

## Interrupteur général encastré (.../EA/SVB)

- Face avant IP 55
- Conforme à IEC 204/EN 60 204 et IEC 947/EN 60 947
- Bornes N et PE



## Zentraleinbau (.../EZ)

- Front IP 55
- Montage in Normbohrung 22,5 mm
- „Ein-Mann-Montage“ durch Zentralbefestigung

## Centre mounting (.../EZ)

- Front protected to IP 55
- Mounting in standard aperture 22,5 mm diameter
- Centre fixing permits easy fitting

## Encastré avec fixation centrale (.../EZ)

- Face avant IP 55
- Montage en perçage normalisé de 22,5 mm
- Montage facile grâce à la fixation centrale

## Zwischenbau (.../Z)

- Front IP 65
- Befestigung durch Aufschnappen oder Schraubbefestigung (T0, T3)
- Schnappbefestigung auf Hutschiene EN 50 022-35
- Kupplungsantrieb in Tür oder Deckel
- Anschluß von vorne

## Rear mounting (.../Z)

- Front protected to IP 65
- Secure by snap fitting or screw fixing (T0 or T3)
- Snap fitting on top-hat rail to EN 50 022-35
- Coupling drive in door or cover
- Connection from front

## Encastré avec fixation par l'arrière (.../Z)

- Face avant IP 65
- Fixation par encliquetage ou par vis (T0, T3)
- Fixation par encliquetage sur profilé chapeau EN 50 022-35
- Manette et mécanisme de manœuvre découplable montés sur porte ou capot
- Raccordement par l'avant



## Zwischenbau-Hauptschalter (.../V/SVB)

- Front IP 55
- nach IEC 204/DIN VDE 0113 und IEC 947/EN 60 947
- Mit Türverriegelung in „I“-Stellung

## Rear mounting main switches (.../V/SVB)

- Front protected to IP 55
- to IEC 204/EN 60 204 and IEC 947/EN 60 947
- With door interlock in I (ON) position

## Interrupteur général encastré fixation par l'arrière (.../V/SVB)

- Face avant IP 55
- Conforme à IEC 204/EN 60 204 et IEC 947/EN 60 947
- Avec verrouillage de porte en position «I»



## Verteilereinbau (.../IVS)

- Front IP 30
- Schnappbefestigung auf Hutschiene EN 50 022-35
- Einbau
  - in Installationsverteiler bis 3 Baueinheiten (45 mm Einbautiefe)
  - in Schaltschrank bis 8 Baueinheiten






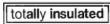








## Service distribution board mounting (.../IVS)

- Front protected to IP 30
- Snap fitting on top-hat rail to EN 50 022-35
- Flush mounting
  - Up to three contact units in a service distribution board (45 mm mounting depth)
  - Up to eight contact units in a control panel













## Encastré en tableau modulaire (.../IVS)

- Face avant IP 30
- Fixation par encliquetage sur profilé chapeau EN 50 022-35
- Montage
  - en tableau modulaire jusqu'à 3 galettes (profondeur de montage 45 mm)
  - en armoire jusqu'à 8 galettes

# Nockenschalter/Rotary Switches/Commutateurs à cames

Baugröße/Switch size/Modèle					T0
Bemessungsbetriebsleistung Rated operational power Puissance assignée d'emploi	AC-3	220–240 V 380–440 V 500 V 690 V	kW kW kW kW	3 4 4 4	
Drehstrommotoren 50–60 Hz (je 3 Strombahnen) Three phase motor 50–60 Hz (for each set of 3 contacts) Moteurs triphasés 50–60 Hz (3 circuits)					
Bemessungsbetriebsstrom Rated operational current Courant assigné d'emploi	$I_e$	AC-21 A AC-15 220–240 V 280–415 V 500 V	A A A A	12 6 4 2	
Bemessungsdauerstrom Rated uninterrupted current Courant assigné ininterrompu	$I_u$		A	20	
Schaltkammer/Contact chamber/ Galettes de contact			mm	45 × 48	
Frontschild/Front plate/Plastron			mm	48 × 48	
<b>Bauform/Mounting form/Type de montage</b>					
Aufbau T.../I Surface mounting T.../I En saillie T.../I		IP 65  IP 65  IP 65 			
Aufbau-Hauptschalter T.../I/SVB Surface mounting main switches T.../I/SVB Interrupteur général en saillie T.../I/SVB		IP 65  IP 65  IP 65 			
Einbau T.../E Flush mounting T.../E Encastré T.../E		Front IP 65 Front protected to IP 65 Front avant IP 65			
Einbau-Hauptschalter T.../EA/SVB Flush mounting main switches T.../EA/SVB Interrupteur général encastré T.../EA/SVB		Front IP 55 Front protected to IP 55 Face avant IP 55			
Zentraleinbau T.../EZ Centre mounting T.../EZ Encastré avec fixation centrale T.../EZ		Front IP 55 Front protected to IP 55 Face avant IP 55			
Zwischenbau T.../Z Rear mounting T.../Z Encastré avec fixation par l'arrière T.../Z		Front IP 55 Front protected to IP 55 Face avant IP 55			
Zwischenbau-Hauptschalter T.../V/SVB Rear mounting main switches T.../V/SVB Interrupteur général encastré avec fixation par l'arrière T.../V/SVB		Front IP 55 Front protected to IP 55 Face avant IP 55			
Verteilereinbau T.../IVS Service distribution board mounting T.../IVS Encastré en tableau modulaire T.../IVS		Front IP 30 Front protected to IP 30 Face avant IP 30			

# Nockenschalter/Rotary Switches/Commutateurs à cames Übersicht/Overview/Synoptique

T3	T5B	T5
5,5 11 15 15	15 22 22 22	22 37 37 30
25 10 6 4	63 16 6 4	80 16 6 4
<b>32</b>  60 x 54  48 x 48	<b>63</b>  86 x 79  88 x 88	<b>100</b>  86 x 79  88 x 88
		
		
		
		
		
		
		

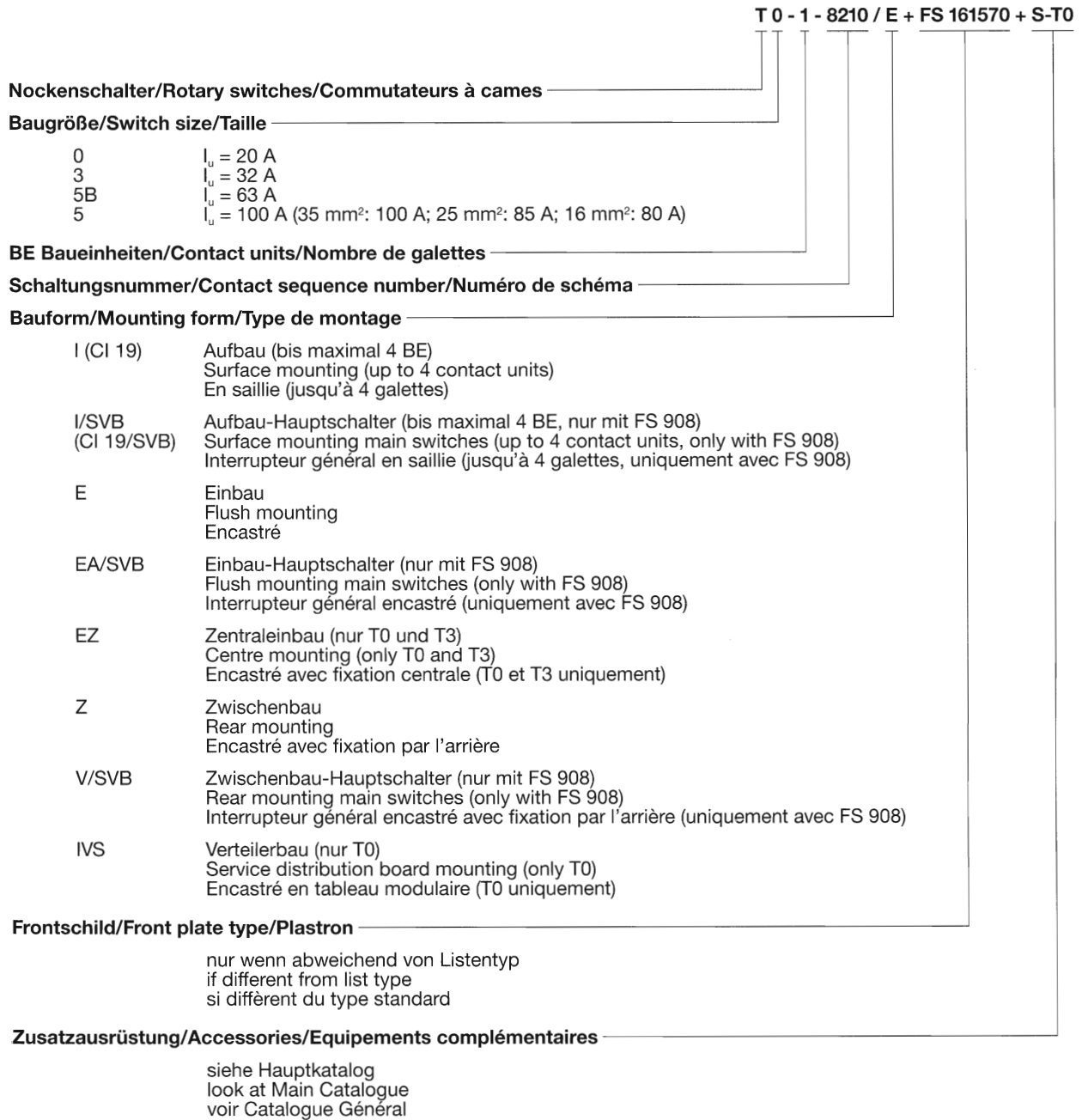
# Nockenschalter/Rotary switches/Commutateurs à cames

## Typenschlüssel/Key to type reference/Signification des références

Nockenschalter T können durch ihr Bauform-Zubehör auf den jeweiligen Einsatzzweck abgestimmt werden. Das Schaltgerät wird im Werk dem Kundenwunsch entsprechend zusammengebaut. Dies ist durch die Bestellung nach einem speziellen **Typenschlüssel** möglich:

The mounting accessories of the T rotary switches enable them to be adapted to the requirements of the application. The switch is assembled in the factory according to customer requirements. This is specified using the special **Type reference** in the order:

Les commutateurs à cames T peuvent être adaptés aux différentes applications grâce à leurs accessoires de montage modulaires. L'appareil est assemblé en usine selon les vœux de client. La commande s'effectue à l'aide d'une **référence spéciale** dont voici la signification :



Nockenschalter mit gleicher Schaltungsnummer erfüllen immer die gleiche Funktion.

Rotary switches with the same contact sequence number always fulfill the same function.

Les commutateurs à cames portant le même numéro de schéma ont toujours la même fonction.



**Teil 1: Steuerschalter**  
**Part 1: Control switches**  
**Partie 1 : Commutateurs de commande**

Schaltungen sortiert nach  
 Contact sequences sorted by  
 Schémas classés selon

<b>Schaltstellungen und Positions and Positions et</b>	<b>Kontakten contacts contacts</b>	<b>Seite page page</b>
2	1 - 3	1/04
2	4 - 6	1/05
2	6 - 13	1/06
2	14 - 16	1/07
3	2	1/07
3	3 - 4	1/08
3	4 - 6	1/09
3	6 - 7	1/10
3	8 - 9	1/11
3	9 - 13	1/12
3	13 - 16	1/13
4	1 - 4	1/13
4	4 - 6	1/14
4	6 - 10	1/15
4	10 - 12	1/16
4	12 - 16	1/17
5	3 - 5	1/17
5	5 - 12	1/18
5	12 - 16	1/19
6	4 - 5	1/19
6	6 - 15	1/20
7	6	1/20
7	6 - 15	1/21
8	6 - 8	1/21
8	8	1/22
9	8 - 16	1/22
10	8	1/22
10	8 - 9	1/23
11	10 - 11	1/23
12	11 - 12	1/24

## Steuerschalter







## Control switches

## Commutateurs de commande

In diesem Teil sind die Schaltungen mit zugehörigem Frontschild dargestellt.

Schaltungsvorschläge zur Steuerung von Motoren, Schützen, Heizungen, Instrumenten oder anderem sind in den Teilen 2 und 3 enthalten.

Folgende Zeichen wurden zur Darstellung der Schaltungen verwendet:







	Kontakt geschlossen
	Kontakt ohne Unterbrechung geschlossen
	Kontakt mit Unterbrechung geschlossen
	automatischer Rückzug
	Kontakt nacheilend
	Kontakt voreilend

Reicht diese Darstellung nicht aus, zum Beispiel beim Zusammentreffen von Voreilungen für Neutralleiter und Überlappung von Kontakten, so wird dies durch zusätzliche Felder deutlich gemacht.

This section shows the contact sequences with corresponding front plate.

Contact sequences for controlling motors, contactors, heating systems, instruments or other components are shown in sections 2 and 3.

The following symbols were used for showing the contact sequences:







	Contact closed
	Contact closed without interruption
	Contact closed with interruption
	Automatic return
	Late-break contact
	Early-make contact

If these symbols are not enough, for example, for combinations of early-make contacts for neutral conductors and contact overlaps, this can be clarified with additional fields.

Dans cette partie sont représentés les schémas avec les plastrons correspondants.

Vous trouverez dans les parties 2 et 3 des exemples de schémas pour la commande de moteurs, contacteurs, chauffage, instruments de mesure ou autres appareils.

Signification des symboles utilisés dans les schémas:

	Contact fermé
	Contact fermé sans interruption
	Contact fermé avec interruption
	Retour automatique
	Contact à action retardée
	Contact à action avancée

Si ces symboles ne suffisent pas à représenter par exemple une fermeture avancée du sectionneur de neutre et un chevauchement de contacts, ces fonctions sont expliquées par des légendes supplémentaires.



Kontakte Contacts Schaltstellungen positions positions **2**

1	01 FS 908 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-8200 T3-1-8200	02 FS 945 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15471 T3-1-15471	03 FS 415 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15401 T3-1-15401
1	04 FS 416 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-140 T3-1-140	05 FS 907 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15481 T3-1-15481	06 FS 142003 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15411 T3-1-15411
1	07 FS 4721 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15321 T3-1-15321	08 FS 14915 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-8175 T3-1-8175	09 FS 4723 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15351 T3-1-15351
1	10 FS 455 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-8204 T3-1-8204	11 FS 141879 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-15311 T3-1-15311	12 FS 14913 	$\begin{matrix}  1 \\  2 \end{matrix}$ 	<b>A</b> T0-1-8174 T3-1-8174
2	13 FS 908 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-102 T3-1-102	14 FS 908 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8291 T3-1-8291	15 FS 945 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15472 T3-1-15472
2	16 FS 907 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15482 T3-1-15482	17 FS 415 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15402 T3-1-15402	18 FS 611 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8201 T3-1-8201
2	19 FS 943 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8220 T3-1-8220	20 FS 902 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15441 T3-1-15441	21 FS 907 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8046 T3-1-8046
2	22 FS 19334 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15451 T3-1-15451	23 FS 142003 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15412 T3-1-15412	24 FS 190848 	$\begin{matrix}  1 &  2 \\  3 &  3 \end{matrix}$ 	<b>B</b> T0-1-15462 T3-1-15462
2	25 FS 455 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8205 T3-1-8205	26 FS 496 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8295 T3-1-8295	27 FS 4721 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15322 T3-1-15322
2	28 FS 4723 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15352 T3-1-15352	29 FS 140130 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8173 T3-1-8173	30 FS 140805 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-8124 T3-1-8124
2	31 FS 141622 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15090 T3-1-15090	32 FS 141879 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15312 T3-1-15312	33 FS 908 	$\begin{matrix}  1 &  3 \\  2 &  4 \end{matrix}$ 	<b>A</b> T0-1-15521 T3-1-15521
3	34 FS 908 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-1 T3-2-1	35 FS 945 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15473 T3-2-15473	36 FS 415 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15403 T3-2-15403
3	37 FS 907 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15483 T3-2-15483	38 FS 9194 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-8224 T3-2-8224	39 FS 945 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-8032 T3-2-8032
3	40 FS 4721 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15323 T3-2-15323	41 FS 455 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-8206 T3-2-8206	42 FS 4723 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15353 T3-2-15353
3	43 FS 142003 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15413 T3-2-15413	44 FS 141879 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15313 T3-2-15313	45 FS 142005 	$\begin{matrix}  1 &  3 &  5 \\  2 &  4 &  6 \end{matrix}$ 	<b>A</b> T0-2-15343 T3-2-15343


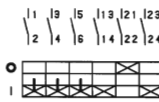

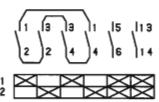

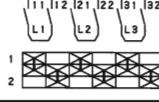

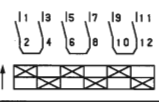

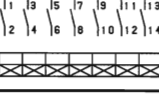

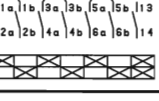

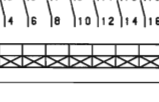

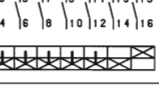

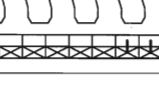

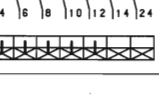

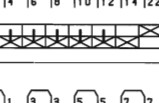

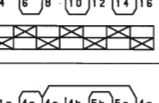

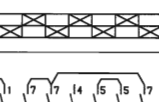

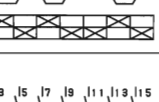

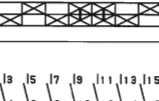

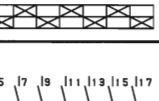

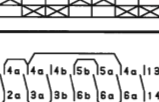

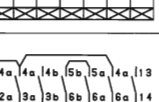

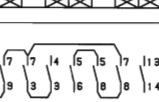

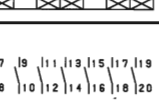

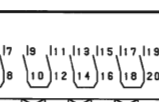

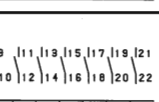

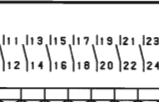

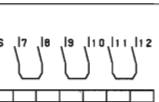

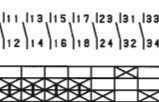

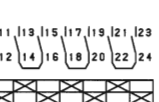

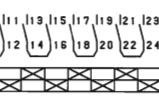

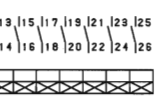




**Kontakte**  
Contacts

Schaltstellungen    positions    positions    **2**

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4	04  FS 908 11 13 15 17 2 4 6 8 A T0-2-15522 T3-2-15522	05  FS 908 11 13 15 17 2 4 6 8 B T0-2-15169 T3-2-15169	06  FS 908 11 13 15 17 2 4 6 8 B T0-2-113 T3-2-113
4	07  FS 943 11 13 15 17 2 4 6 8 A T0-2-8221 T3-2-8221	08  FS 907 11 13 15 17 2 4 6 8 A T0-2-8064 T3-2-8064	09  FS 907 11 13 15 IN 2 4 6 IN B T0-2-15484 T3-2-15484
4	10  FS 907 11 13 15 17 2 4 6 8 A T0-2-8050 T3-2-8050	11  FS 902 11 13 15 17 2 4 6 8 A T0-2-15442 T3-2-15442	12  FS 945 11 13 15 IN 2 4 6 IN B T0-2-15474 T3-2-15474
4	13  FS 19334 HAND AUTO 11 13 15 17 2 4 6 8 A T0-2-15452 T3-2-15452	14  FS 402 11 112 121 122 2 4 6 8 B T0-2-15009 T3-2-15009	15  FS 415 11 13 15 17 2 4 6 8 A T0-2-15404 T3-2-15404
4	16  FS 455 11 13 15 17 2 4 6 8 A T0-2-8207 T3-2-8207	17  FS 496 11 13 15 17 2 4 6 8 A T0-2-8296 T3-2-8296	18  FS 142003 STOP START 11 13 15 17 2 4 6 8 A T0-2-15414 T3-2-15414
4	19  FS 160544 EINRICHTEN NORMAL 11 13 15 17 2 4 6 8 A T0-2-8537 T3-2-8537	20  FS 190848 STOP START 11 12 111 112 2 4 6 8 B T0-2-15463 T3-2-15463	21  FS 9194 11 13 15 IN 2 4 6 IN B T0-2-8225 T3-2-8225
5	22  FS 908 11 13 15 17 19 2 4 6 8 10 A T0-3-8341 T3-3-8341	23  FS 908 11 13 15 17 19 23 2 4 6 8 10 14 B T0-3-15259 T3-3-15259	
5	24  FS 945 11 13 15 17 19 2 4 6 8 10 A T0-3-15475 T3-3-15475	25  FS 943 11 13 15 17 19 2 4 6 8 10 B T0-3-115 T3-3-115	
6	26  FS 908 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-8342 T3-3-8342	27  FS 908 L1 L2 L3 N 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15680 T3-3-15680	
6	28  FS 908 L1 L2 L3 N 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15681 T3-3-15681	29  FS 908 L1 L2 L3 N 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15683 T3-3-15683	
6	30  FS 908 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15523 T3-3-15523	31  FS 945 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15476 T3-3-15476	
6	32  FS 908 11 12 13 14 15 16 2 4 6 8 10 12 B T0-3-12 T3-3-12	33  FS 902 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15443 T3-3-15443	
6	34  FS 943 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-8222 T3-3-8222	35  FS 19334 HAND AUTO 11 13 15 17 19 111 2 4 6 8 10 12 A T0-3-15453 T3-3-15453	
6	36  FS 908 11 13 15 IN 111 113 2 4 6 IN 12 14 B T0-3-15284 T3-3-15284	37  FS 908 11 13 15 IN 113 121 2 4 6 IN 14 22 B T0-3-130 T3-3-130	

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Schaltstellungen positions positions

6	01  FS 908	 <b>B</b> T0-3-15159 T3-3-15159	02  FS 601	 <b>B</b> T0-3-21 T3-3-21
6	03  FS 402	 <b>B</b> T0-3-15016 T3-3-15016	04  FS 496	 <b>A</b> T0-3-8297 T3-3-8297
7	05  FS 908	 <b>A</b> T0-4-8343 T3-4-8343	06  FS 601	 <b>B</b> T0-4-45 T3-4-45
8	07  FS 908	 <b>A</b> T0-4-8344 T3-4-8344	08  FS 908	 <b>A</b> T0-4-15682 T3-4-15682
8	09  FS 908	 <b>B</b> T0-4-22 T3-4-22	10  FS 908	 <b>B</b> T0-4-15700 T3-4-15700
8	11  FS 908	 <b>B</b> T0-4-15164 T3-4-15164	12  FS 943	 <b>A</b> T0-4-8223 T3-4-8223
8	13  FS 601	 <b>B</b> T0-4-15185 T3-4-15185	14  FS 943	 <b>B</b> T0-4-11 T3-4-11
8	15  FS 642	 <b>B</b> T0-4-133 T3-4-133	16  FS 496	 <b>A</b> T0-5-8536 T3-5-8536
8...9	17  FS 496	 <b>A</b> T0-4-8298 T3-4-8298	18  FS 908	 <b>A</b> T0-5-8345 T3-5-8345
9	19  FS 943	 <b>B</b> T0-5-15203 T3-5-15203	20  FS 601	 <b>B</b> T0-5-119 T3-5-119
9...10	21  FS 642	 <b>B</b> T0-5-134 T3-5-134	22  FS 908	 <b>A</b> T0-5-8346 T3-5-8346
10...11	23  FS 943	 <b>A</b> T0-5-8369 T3-5-8369	24  FS 908	 <b>A</b> T0-6-8347 T3-6-8347
12	25  FS 908	 <b>A</b> T0-6-8348 T3-6-8348	26  FS 908	 <b>B</b> T0-6-13 T3-6-13
12	27  FS 908	 <b>B</b> T0-6-15168 T3-6-15168	28  FS 943	 <b>A</b> T0-6-8370 T3-6-8370
12...13	29  FS 19334	 <b>A</b> T0-6-8529 T3-6-8529	30  FS 908	 <b>A</b> T0-7-8349 T3-7-8349

**Kontakte**  
**Contacts**

Schaltstellungen    positions    positions    **2...3**

14	01 FS 908 A T0-7-8350 T3-7-8350	02 FS 943 A T0-7-8371 T3-7-8371	
15-16	03 FS 908 A T0-8-8351 T3-8-8351	04 FS 908 A T0-8-8352 T3-8-8352	
16...2	05 FS 943 A T0-8-8372 T3-8-8372	06 FS 684 A T0-1-8210 T3-1-8210	
2	07 FS 953 A T0-1-8218 T3-1-8218	08 FS 19801 A T0-1-8516 T3-1-8516	09 FS 614 A T0-1-91 T3-1-91
2	10 FS 418 A T0-1-8240 T3-1-8240	11 FS 418 A T0-1-8310 T3-1-8310	12 FS 429 A T0-1-15421 T3-1-15421
2	13 FS 1401 A T0-1-15431 T3-1-15431	14 FS 1411805 A T0-1-15058 T3-1-15058	15 FS 621 B T0-1-15180 T3-1-15180
2	16 FS 418 B T0-1-141 T3-1-141	17 FS 418 B T0-1-170 T3-1-170	18 FS 429 B T0-1-78 T3-1-78
2	19 FS 418 B T0-1-15023 T3-1-15023	20 FS 910 B T0-1-15502 T3-1-15502	21 FS 953 B T0-1-15501 T3-1-15501
2	22 FS 141399 B T0-1-15059 T3-1-15059	23 FS 4739 B T0-1-15904 T3-1-15904	24 FS 1414000 A T0-1-15434 T3-1-15434
2	25 FS 147767 A T0-1-15511 T3-1-15511	26 FS 147767 A T0-1-8178 T3-1-8178	27 FS 6034 A T0-1-8180 T3-1-8180
2	28 FS 147767 B T0-1-98 T3-1-98	29 FS 4011 A T0-1-8214 T3-1-8214	30 FS 456 A T0-1-15366 T3-1-15366
2	31 FS 458 A T0-1-15371 T3-1-15371	32 FS 1423 A T0-1-8158 T3-1-8158	33 FS 1423 A T0-1-15061 T3-1-15061
2	34 FS 141141 A T0-1-8185 T3-1-8185	35 FS 14510 A T0-1-8176 T3-1-8176	36 FS 141400 A T0-1-15060 T3-1-15060
2	37 FS 141617 A T0-1-15089 T3-1-15089	38 FS 458 B T0-1-9 T3-1-9	39 FS 456 B T0-1-8 T3-1-8
2	40 FS 14510 B T0-1-15362 T3-1-15362	41 FS 456 B T0-1-15365 T3-1-15365	42 FS 4011 B T0-1-15074 T3-1-15074

Kontakte  
Contacts

Schaltstellungen positions positions **3**

3	01 FS 404  T0-2-8230 T3-2-8230 	02 FS 164222  T0-2-15121 T3-2-15121 	03 FS 142601  T0-2-8061 T3-2-8061 
3	04 FS 19801  T0-2-8517 T3-2-8517 	05 FS 404  T0-2-148 T3-2-148 	06 FS 404  T0-2-177 T3-2-177 
3	07 FS 404  T0-2-15003 T3-2-15003 	08 FS 614  T0-2-94 T3-2-94 	09 FS 465  T0-2-76 T3-2-76 
3	10 FS 621  T0-2-15085 T3-2-15085 	11 FS 147767  T0-2-8425 T3-2-8425 	12 FS 141401  T0-2-15062 T3-2-15062 
3	13 FS 142010  T0-2-15120 T3-2-15120 	14 FS 141583  T0-2-8150 T3-2-8150 	15 FS 141617  T0-2-15088 T3-2-15088 
4	16 FS 684  T0-2-8211 T3-2-8211 	17 FS 4011  T0-2-8215 T3-2-8215 	18 FS 684  T0-2-8400 T3-2-8400 
4	19 FS 429  T0-2-15422 T3-2-15422 	20 FS 164854  T0-2-15922 T3-2-15922 	21 FS 164855  T0-2-15923 T3-2-15923 
4	22 FS 1401  T0-2-15432 T3-2-15432 	23 FS 147767  T0-2-15512 T3-2-15512 	24 FS 456  T0-2-15367 T3-2-15367 
4	25 FS 418  T0-2-8260 T3-2-8260 	26 FS 953  T0-2-8219 T3-2-8219 	27 FS 418  T0-2-8312 T3-2-8312 
4	28 FS 953  T0-2-8047 T3-2-8047 	29 FS 190301  T0-2-8170 T3-2-8170 	30 FS 904  T0-2-8018 T3-2-8018 
4	31 FS 19793  T0-2-8527 T3-2-8527 	32 FS 684  T0-2-8711 T3-2-8711 	33 FS 160831  T0-2-8062 T3-2-8062 
4	34 FS 1414000  T0-2-15435 T3-2-15435 	35 FS 458  T0-2-15372 T3-2-15372 	36 FS 4011  T0-2-8179 T3-2-8179 
4	37 FS 456  T0-2-8513 T3-2-8513 	38 FS 4011  T0-2-8120 T3-2-8120 	39 FS 140887  T0-2-8521 T3-2-8521 
4	40 FS 141142  T0-2-8515 T3-2-8515 	41 FS 141598  T0-2-8159 T3-2-8159 	42 FS 621  T0-2-37 T3-2-37 
4	43 FS 621  T0-2-18 T3-2-18 	44 FS 418  T0-2-15130 T3-2-15130 	45 FS 644  T0-2-35 T3-2-35 



**Kontakte**  
Contacts

Schaltstellungen    positions    positions    **3**

4	01 FS 164854 L1-L2 L2-L3 L3-L1 T0-2-15918 T3-2-15918 <b>B</b>	02 FS 164855 L1-N L2-N L3-N T0-2-15919 T3-2-15919 <b>B</b>	03 FS 418 T0-2-15029 T3-2-15029 <b>B</b>
4	04 FS 910 T0-2-8020 T3-2-8020 <b>B</b>	05 FS 621 T0-2-15642 T3-2-15642 <b>B</b>	06 FS 147767 T0-2-15364 T3-2-15364 <b>B</b>
4	07 FS 141402 T0-2-15081 T3-2-15081 <b>A</b>	08 FS 142010 T0-2-15125 T3-2-15125 <b>B</b>	09 FS 456 T0-2-15361 T3-2-15361 <b>B</b>
4...5	10 FS 14510 T0-2-15363 T3-2-15363 <b>B</b>	11 FS 684 T0-3-8401 T3-3-8401 <b>A</b>	
5	12 FS 4011 T0-3-8228 T3-3-8228 <b>A</b>	13 FS 142339 T0-3-8151 T3-3-8151 <b>A</b>	
5	14 FS 621 T0-3-2 T3-3-2 <b>B</b>	15 FS 458 T0-3-190 T3-3-190 <b>B</b>	
5	16 FS 621 T0-3-38 T3-3-38 <b>B</b>	17 FS 644 T0-3-36 T3-3-36 <b>B</b>	
5	18 FS 141956 T0-3-15600 T3-3-15600 <b>B</b>	19 FS 142010 T0-3-15124 T3-3-15124 <b>B</b>	
6	20 FS 684 T0-3-8212 T3-3-8212 <b>A</b>	21 FS 4011 T0-3-8216 T3-3-8216 <b>A</b>	
6	22 FS 644 T0-3-8451 T3-3-8451 <b>A</b>	23 FS 418 T0-3-8280 T3-3-8280 <b>A</b>	
6	24 FS 429 T0-3-15423 T3-3-15423 <b>A</b>	25 FS 1401 T0-3-15433 T3-3-15433 <b>A</b>	
6	26 FS 429 T0-3-15391 T3-3-15391 <b>A</b>	27 FS 147767 T0-3-15513 T3-3-15513 <b>A</b>	
6	28 FS 4026 T0-3-15392 T3-3-15392 <b>A</b>	29 FS 4117 T0-3-15393 T3-3-15393 <b>A</b>	
6	30 FS 458 T0-3-15394 T3-3-15394 <b>A</b>	31 FS 404 T0-3-8250 T3-3-8250 <b>A</b>	
6	32 FS 953 T0-3-8299 T3-3-8299 <b>A</b>	33 FS 418 T0-3-8314 T3-3-8314 <b>A</b>	

Kontakte  
Contacts

Schaltstellungen positions positions

3

6	01 FS 953 	 1 2 3 4 5 6 7 8 9 10 11 12 1 0 2	<b>A</b> T0-3-8037 T3-3-8037	02 FS 160595 	 1 2 3 4 5 6 7 8 9 10 11 12 1 0 2 RUECKWAERTS HALT VORWAERTS	<b>A</b> T0-3-8622 T3-3-8622
6	03 FS 904 	 1 2 3 4 5 6 7 8 9 10 11 12 1 0 2	<b>A</b> T0-3-8017 T3-3-8017	04 FS 458 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>A</b> T0-3-15373 T3-3-15373
6	05 FS 141598 	 1 2 3 4 5 6 7 8 9 10 11 12 HOHER 0 TIEFER 1	<b>A</b> T0-3-8157 T3-3-8157	06 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-3-7 T3-3-7
6	07 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-3-6 T3-3-6	08 FS 404 	 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3	<b>B</b> T0-3-15137 T3-3-15137
6	09 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-3-123 T3-3-123	10 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-3-20 T3-3-20
6	11 FS 913 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-3-15190 T3-3-15190	12 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-3-80 T3-3-80
6	13 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-3-15069 T3-3-15069	14 FS 404 	 1 2 3 4 5 6 7 8 9 10 11 12 1 2 3	<b>B</b> T0-3-15010 T3-3-15010
6	15 FS 418 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-3-15143 T3-3-15143	16 FS 418 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-3-15035 T3-3-15035
6	17 FS 684 	 1 2 3 4 5 6 7 8 9 10 11 12 1 0 2	<b>B</b> T0-3-15098 T3-3-15098	18 FS 141402 	 1 2 3 4 5 6 7 8 9 10 11 12 nHL 0 1	<b>B</b> T0-3-15082 T3-3-15082
7	19 FS 918 	 1 2 3 4 5 6 7 8 9 10 11 12 0 Y Δ	<b>A</b> T0-4-8419 T3-4-8419	21 FS 635 	 1 2 3 4 5 6 7 8 9 10 11 12 0 Y Δ	<b>B</b> T0-4-24 T3-4-24
7	20 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>A</b> T0-4-8450 T3-4-8450	22 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-4-131 T3-4-131
7	24 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-4-82 T3-4-82	23 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-4-48 T3-4-48
7	26 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-4-47 T3-4-47	25 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-4-15951 T3-4-15951
7	28 FS 644 	 1 2 3 4 5 6 7 8 9 10 11 12 0 1 2	<b>B</b> T0-4-135 T3-4-135	27 FS 621 	 1 2 3 4 5 6 7 8 9 10 11 12 2 0 1	<b>B</b> T0-4-106 T3-4-106

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**Contacts**

Schaltstellungen    positions    positions    **3**

8	01  FS 684	 T0-4-8213 T3-4-8213	<b>A</b>	02  FS 953	 T0-4-8294 T3-4-8294	<b>A</b>
8	03  FS 635	 T0-4-8410 T3-4-8410	<b>A</b>	04  FS 684	 T0-4-8441 T3-4-8441	<b>A</b>
8	05  FS 644	 T0-4-8440 T3-4-8440	<b>A</b>	06  FS 644	 T0-4-8480 T3-4-8480	<b>A</b>
8	07  FS 190301	 T0-4-8171 T3-4-8171	<b>A</b>	08  FS 635	 T0-4-8418 T3-4-8418	<b>A</b>
8	09  FS 644	 T0-4-8439 T3-4-8439	<b>A</b>	10  FS 6322	 T0-4-8417 T3-4-8417	<b>A</b>
8	11  FS 6617	 T0-4-15107 T3-4-15107	<b>A</b>	12  FS 458	 T0-4-15374 T3-4-15374	<b>A</b>
8	13  FS 141141	 T0-4-8184 T3-4-8184	<b>A</b>	14  FS 621	 T0-4-88 T3-4-88	<b>B</b>
8	15  FS 161629	 T0-4-41 T3-4-41	<b>B</b>	16  FS 635	 T0-4-3 T3-4-3	<b>B</b>
8	17  FS 644	 T0-4-4 T3-4-4	<b>B</b>	18  FS 621	 T0-4-5 T3-4-5	<b>B</b>
8	19  FS 621	 T0-4-49 T3-4-49	<b>B</b>	20  FS 644	 T0-4-46 T3-4-46	<b>B</b>
8	21  FS 644	 T0-4-15204 T3-4-15204	<b>B</b>	22  FS 684	 T0-4-65 T3-4-65	<b>B</b>
8	23  FS 644	 T0-4-81 T3-4-81	<b>B</b>	24  FS 644	 T0-4-86 T3-4-86	<b>B</b>
8	25  FS 635	 T0-4-15067 T3-4-15067	<b>B</b>	26  FS 635	 T0-4-15068 T3-4-15068	<b>B</b>
9	27  FS 404	 T0-5-8270 T3-5-8270	<b>A</b>			
9	28  FS 953	 T0-5-8043 T3-5-8043	<b>A</b>	29  FS 904	 T0-5-8019 T3-5-8019	<b>A</b>

	Kontakte Contacts	Schaltstellungen positions	positions	3	
9	01 FS 603 	 1 2 3 9	<b>A</b> T0-5-15270 T3-5-15270	02 FS 635  0 Y Δ 9	<b>A</b> T0-5-8416 T3-5-8416
9	03 FS 404 	 1 2 3 9	<b>B</b> T0-5-15017 T3-5-15017	04 FS 635  0 Y Δ 9	<b>B</b> T0-5-25 T3-5-25
9	05 FS 621 	 2 0 1	<b>B</b> T0-5-124 T3-5-124	06 FS 644  0 2	<b>B</b> T0-5-30 T3-5-30
9	07 FS 621 	 2 0 1	<b>B</b> T0-5-33 T3-5-33	08 FS 404  1 2 3 9	<b>B</b> T0-5-15150 T3-5-15150
9	09 FS 644 	 0 1 2	<b>B</b> T0-5-31 T3-5-31	10 FS 621  0 2 1	<b>B</b> T0-5-89 T3-5-89
9	11 FS 644 	 0 1 2	<b>B</b> T0-5-87 T3-5-87	12 FS 644  0 1 2	<b>B</b> T0-5-15900 T3-5-15900
10	13 FS 141152 	 PHASE 0 ERDE	<b>A</b> T0-5-8531 T3-5-8531	14 FS 684  1 0 2	<b>A</b> T0-5-8361 T3-5-8361
10	15 FS 418 	 0 1 2	<b>A</b> T0-5-8486 T3-5-8486	16 FS 953  1 0 2	<b>A</b> T0-5-8053 T3-5-8053
10	17 FS 644 	 0 1 2	<b>A</b> T0-5-8444 T3-5-8444	18 FS 644  0 1 2	<b>B</b> T0-5-29 T3-5-29
10	19 FS 635 	 0 Y Δ	<b>B</b> T0-5-15899 T3-5-15899	20 FS 621  2 0 1	<b>B</b> T0-5-32 T3-5-32
10... 11	21 FS 193085 	 L1-L2 L2-L3 L3-L1	<b>B</b> T0-5-15172 T3-5-15172	22 FS 635  0 Y Δ	<b>B</b> T0-6-126 T3-6-126
12	23 FS 604 	 1 2 3 9	<b>A</b> T0-6-8476 T3-6-8476	24 FS 684  1 0 2	<b>A</b> T0-6-8362 T3-6-8362
12	25 FS 614 	 0 1 2	<b>A</b> T0-6-8491 T3-6-8491	26 FS 141442  HOEHER 0 TIEFER ↑	<b>A</b> T0-6-8155 T3-6-8155
12	27 FS 603 	 1 2 3 9	<b>B</b> T0-6-156 T3-6-156	28 FS 603  1 2 3 9	<b>B</b> T0-6-164 T3-6-164
12... 13	29 FS 603 	 1 2 3 9	<b>B</b> T0-6-160 T3-6-160	30 FS 603  1 2 3 9	<b>B</b> T0-7-161 T3-7-161

Kontakte  
Contacts

Schaltstellungen positions positions

3...4

13	01 FS 603  T0-7-157 T3-7-157	 B	02 FS 603  T0-7-165 T3-7-165	 B
14	03 FS 684  T0-7-8363 T3-7-8363	 A	04 FS 614  T0-7-8495 T3-7-8495	 A
15... 16	05 FS 604  T0-8-8484 T3-8-8484	 A	06 FS 644  T0-8-8498 T3-8-8498	 A
16	07 FS 684  T0-8-8364 T3-8-8364	 A	08 FS 604  T0-8-15102 T3-8-15102	 B
1...2	09 FS 925  T0-1-8001 T3-1-8001	 A	10 FS 926  T0-1-15108 T3-1-15108	 A
2	12 FS 923  T0-1-15111 T3-1-15111	 A	13 FS 193840  T0-1-15113 T3-1-15113	 A
2	15 FS 420  T0-1-8330 T3-1-8330	 A	16 FS 912  T0-1-15110 T3-1-15110	 A
2	18 FS 928  T0-1-15043 T3-1-15043	 B	19 FS 193840  T0-1-15046 T3-1-15046	 B
2...3	21 FS 926  T0-1-15041 T3-1-15041	 B	22 FS 9317  T0-1-8566 T3-1-8566	 A
3	24 FS 925  T0-2-8051 T3-2-8051	 A	25 FS 420  T0-2-8311 T3-2-8311	 A
3	27 FS 419  T0-2-8871 T3-2-8871	 A	28 FS 161800  T0-2-8512 T3-2-8512	 A
3	30 FS 420  T0-2-171 T3-2-171	 B	31 FS 420  T0-2-142 T3-2-142	 B
3	33 FS 616  T0-2-96 T3-2-96	 B	34 FS 912  T0-2-15052 T3-2-15052	 B
3...4	36 FS 143772  T0-2-15905 T3-2-15905	 B	37 FS 1413890  T0-2-15906 T3-2-15906	 B
4	39 FS 926  T0-2-8060 T3-2-8060	 A	40 FS 606  T0-2-8231 T3-2-8231	 A
			41 FS 1410755  T0-2-15920 T3-2-15920	 A

Kontakte  
Contacts

Schaltstellungen positions positions **4**

4

01 FS 1410757 L1-N L2-N L3-N  T0-2-15921 T3-2-15921 <b>A</b>	02 FS 193840  T0-2-15114 T3-2-15114 <b>A</b>	03 FS 1413890 AUTO HAND STOP START  T0-2-15907 T3-2-15907 <b>A</b>
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4

04 FS 911  T0-2-8021 T3-2-8021 <b>A</b>	05 FS 194322 L1-L2 L2-L3 L1-L3  T0-2-15176 T3-2-15176 <b>A</b>	06 FS 194324 L1-N L2-N L3-N  T0-2-15177 T3-2-15177 <b>A</b>
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4

07 FS 161304 AUF RUF RUS ZU  T0-2-15503 T3-2-15503 <b>A</b>	08 FS 1410760 L1-L2 L2-L3 L3-L1  T0-2-8004 T3-2-8004 <b>A</b>	09 FS 420  T0-2-8316 T3-2-8316 <b>A</b>
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4

10 FS 420  T0-2-8331 T3-2-8331 <b>A</b>	11 FS 4842 1-2 2-3 3-1  T0-2-8011 T3-2-8011 <b>A</b>	12 FS 1410761 L1-N L2-N L3-N  T0-2-8005 T3-2-8005 <b>A</b>
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4

13 FS 141750 AUTO HOEHER TIEFER  T0-2-8153 T3-2-8153 <b>A</b>	14 FS 9441  T0-2-15170 T3-2-15170 <b>B</b>	15 FS 406  T0-2-149 T3-2-149 <b>B</b>
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4

16 FS 616  T0-2-95 T3-2-95 <b>B</b>	17 FS 406  T0-2-15004 T3-2-15004 <b>B</b>	18 FS 406  T0-2-178 T3-2-178 <b>B</b>
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4

19 FS 1410755 L1-L2 L2-L3 L3-L1  T0-2-14 T3-2-14 <b>B</b>	20 FS 1410757 L1-N L2-N L3-N  T0-2-16 T3-2-16 <b>B</b>	21 FS 924  T0-2-15049 T3-2-15049 <b>B</b>
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4

22 FS 928  T0-2-15044 T3-2-15044 <b>B</b>	23 FS 9317  T0-2-8828 T3-2-8828 <b>B</b>	24 FS 923  T0-2-15112 T3-2-15112 <b>B</b>
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4

25 FS 191272 AUTO  T0-2-15834 T3-2-15834 <b>B</b>	26 FS 193840  T0-2-15047 T3-2-15047 <b>B</b>	
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5

27 FS 141750 AUTO HOEHER TIEFER  T0-3-8154 T3-3-8154 <b>A</b>	28 FS 164722 L1-N L2-N L3-N  T0-3-15917 T3-3-15917 <b>B</b>
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6

29 FS 9440 L1 L2 L3  T0-3-8048 T3-3-8048 <b>A</b>	30 FS 193840  T0-3-15115 T3-3-15115 <b>A</b>
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6

31 FS 420  T0-3-8261 T3-3-8261 <b>A</b>	32 FS 420  T0-3-8313 T3-3-8313 <b>A</b>
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6

33 FS 420  T0-3-8332 T3-3-8332 <b>A</b>	34 FS 928  T0-3-8030 T3-3-8030 <b>A</b>
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6

35 FS 141750 AUTO HOEHER TIEFER  T0-3-8152 T3-3-8152 <b>A</b>	36 FS 142606 STOP START BETRIEB  T0-3-8156 T3-3-8156 <b>A</b>
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**Kontakte**  
**Contacts**

Schaltstellungen    positions    positions    **4**

6	01  FS 420	 11, L1, L1, L2, L2, L2 12, 13, 21, 22, 23	<b>B</b> T0-3-15131 T3-3-15131	02  FS 912	 11, 13, 21, 31, 33, 41 12, 14, 22, 32, 34, 42	<b>B</b> T0-3-15053 T3-3-15053
6	03  FS 928	 1a, 1b, 3a, 3b, 5a, 5b 2a, 2b, 4a, 4b, 6a, 6b	<b>B</b> T0-3-15045 T3-3-15045	04  FS 9440	 14, 13, 13, 14, 14, 13 1a, 1a, 3a, 3a, 5a, 5a	<b>B</b> T0-3-136 T3-3-136
6	05  FS 924	 11, 13, 21, 23, 31, 41 12, 14, 22, 24, 32, 42	<b>B</b> T0-3-15050 T3-3-15050	06  FS 6233	 1, 3, 5, 1, 3, 5 2, 4, 6, 2a, 4a, 6a	<b>B</b> T0-3-197 T3-3-197
6...7	07  FS 420	 11, L1, L1, L2, L2, L2 11, 12, 13, 21, 22, 23	<b>B</b> T0-3-15030 T3-3-15030	08  FS 1332	 1, 2, 4, 7, 9, 11, 12 1, 3, 5, 6, 8, 10, 13	<b>B</b> T0-4-15833 T3-4-15833
8	09  FS 406	 1, 3, 5, 7, 9, 11, 13, 15 2, 4, 6, 8, 10, 12, 14, 16	<b>A</b> T0-4-8251 T3-4-8251	10  FS 905	 1, 3, 5, 7, 9, 11, 13, 15 2, 4, 6, 8, 10, 12, 14, 16	<b>A</b> T0-4-8036 T3-4-8036
8	11  FS 41236	 1, 3, 5, 7, 9, 11, 13, 15 2, 4, 6, 8, 10, 12, 14, 16	<b>A</b> T0-4-15055 T3-4-15055	12  FS 406	 11, L1, L1, L1, L2, L2, L2 11, 12, 13, 14, 21, 22, 23, 24	<b>B</b> T0-4-15138 T3-4-15138
8	13  FS 906	 11, 13, 21, 23, 31, 33, 41, 43 12, 14, 22, 24, 32, 34, 42, 44	<b>B</b> T0-4-15056 T3-4-15056	14  FS 911	 1, 3, 5, 11, 13, 15, 17, 19 2, 4, 6, 12, 14, 16, 18, 20	<b>B</b> T0-4-8031 T3-4-8031
8	15  FS 924	 11, 13, 21, 23, 31, 33, 41, 43 12, 14, 22, 24, 32, 34, 42, 44	<b>B</b> T0-4-15051 T3-4-15051	16  FS 406	 11, L1, L1, L1, L2, L2, L2 11, 12, 13, 14, 21, 22, 23, 24	<b>B</b> T0-4-15011 T3-4-15011
9	17  FS 420	 1, 3, 5, 7, 9, 11, 13, 15, 17 2, 4, 6, 8, 10, 12, 14, 16, 18	<b>A</b> T0-5-8281 T3-5-8281	18  FS 9440	 1, 3, 5, 7, 9, 11, 13, 15, 17 2, 4, 6, 8, 10, 12, 14, 16, 18	<b>A</b> T0-5-15925 T3-5-15925
9	19  FS 420	 1, 3, 5, 7, 9, 11, 13, 15, 17 2, 4, 6, 8, 10, 12, 14, 16, 18	<b>A</b> T0-5-8315 T3-5-8315	20  FS 9440	 1a, 1a, 1a, 1a, 3b, 1a, 4a, 1a, 5b, 1a, 6b, 1a, 1a 1b, 1b, 3a, 3a, 5a, 5a, 1b, 1b, 1b, 1b	<b>B</b> T0-5-183 T3-5-183
9	21  FS 420	 11, L1, L1, L2, L2, L2, L3, L3, L3 11, 12, 13, 21, 22, 23, 31, 32, 33	<b>B</b> T0-5-15144 T3-5-15144	22  FS 420	 11, L1, L1, L2, L2, L2, L3, L3, L3 11, 12, 13, 21, 22, 23, 31, 32, 33	<b>B</b> T0-5-15036 T3-5-15036
9	23  FS 142117	 1, 3, 5, 7, 9, 11, 13, 15, 17 2, 4, 6, 8, 10, 12, 14, 16, 18	<b>B</b> T0-5-15902 T3-5-15902	24  FS 911	 1, 3, 5, 11, 13, 17, 21, 23 2, 4, 6, 10, 12, 14, 18, 22, 24	<b>B</b> T0-5-8033 T3-5-8033
9	25  FS 911	 1, 3, 5, 7, 9, 11, 13, 15, 17, 19, 23 2, 4, 6, 8, 10, 12, 16, 20, 24	<b>B</b> T0-5-8038 T3-5-8038	26  FS 911	 1, 3, 5, 7, 9, 11, 13, 17, 19, 23 2, 4, 6, 8, 10, 14, 18, 20, 24	<b>B</b> T0-5-8532 T3-5-8532
9	27  FS 912	 11, 13, 21, 31, 41, 51, 53, 61 12, 14, 22, 32, 34, 42, 52, 54, 62	<b>B</b> T0-5-15054 T3-5-15054	28  FS 420	 1, 2a, 2a, 3, 4a, 4a, 5, 6a, 6a 2, 2, 2b, 4, 4b, 6, 6	<b>B</b> T0-5-15070 T3-5-15070
10	29  FS 911	 1, 3, 5, 7, 9, 11, 13, 15, 17, 19 2, 4, 6, 8, 10, 12, 14, 16, 18, 20	<b>A</b> T0-5-15178 T3-5-15178	30  FS 141477	 1, 3, 5, 7, 9, 11, 13, 15, 17, 19 2, 4, 6, 8, 10, 12, 14, 16, 18, 20	<b>A</b> T0-5-8535 T3-5-8535

Kontakte  
Contacts

Schaltstellungen positions positions

10	01 FS 911  T0-5-8035 T3-5-8035	 B	02 FS 6301  T0-5-15892 T3-5-15892	 B
11	03 FS 6301  T0-6-15893 T3-6-15893	 B	04 FS 406  T0-6-8271 T3-6-8271	 A
11	05 FS 6338  T0-6-8449 T3-6-8449	 A	06 FS 637  T0-6-103 T3-6-103	 B
11	07 FS 906  T0-6-8034 T3-6-8034	 B	08 FS 193086  T0-6-15173 T3-6-15173	 B
11	09 FS 6585  T0-6-15083 T3-6-15083	 B	10 FS 616  T0-6-8457 T3-6-8457	 A
12	11 FS 616  T0-6-8455 T3-6-8455	 A	12 FS 616  T0-6-8459 T3-6-8459	 A
12	13 FS 420  T0-6-8481 T3-6-8481	 A	14 FS 905  T0-6-8039 T3-6-8039	 A
12	15 FS 616  T0-6-8601 T3-6-8601	 A	16 FS 616  T0-6-8602 T3-6-8602	 A
12	17 FS 616  T0-6-8603 T3-6-8603	 A	18 FS 616  T0-6-8605 T3-6-8605	 A
12	19 FS 616  T0-6-8607 T3-6-8607	 A	20 FS 616  T0-6-8609 T3-6-8609	 A
12	21 FS 616  T0-6-8613 T3-6-8613	 A	22 FS 616  T0-6-8615 T3-6-8615	 A
12	23 FS 616  T0-6-8617 T3-6-8617	 A	24 FS 616  T0-6-154 T3-6-154	 B
12	25 FS 406  T0-6-15151 T3-6-15151	 B	26 FS 616  T0-6-158 T3-6-158	 B
12	27 FS 616  T0-6-162 T3-6-162	 B	28 FS 406  T0-6-15018 T3-6-15018	 B
12	29 FS 906  T0-6-15057 T3-6-15057	 B	30 FS 637  T0-6-104 T3-6-104	 B



Kontakte  
Contacts


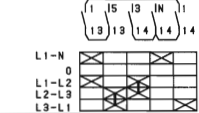

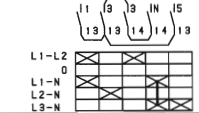

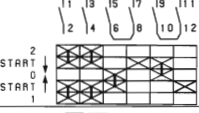

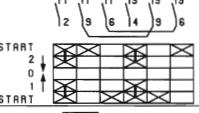

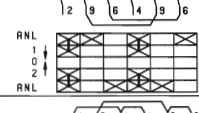

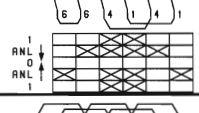

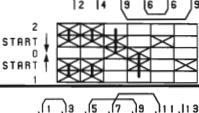

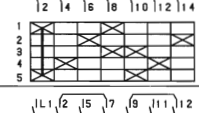

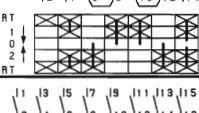

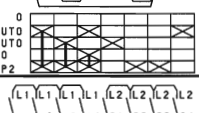

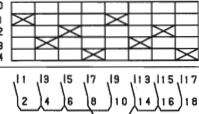

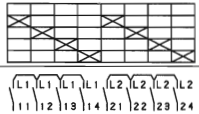

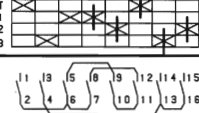

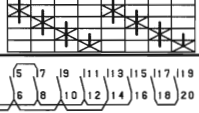

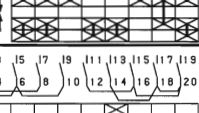

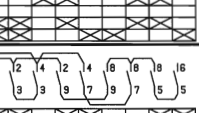

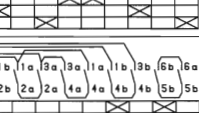

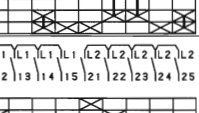

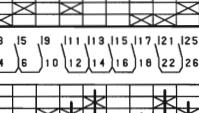

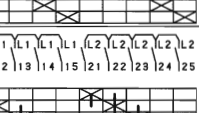

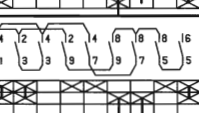

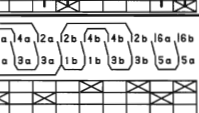

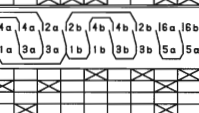

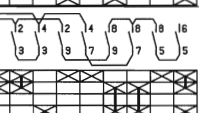

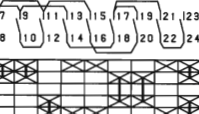

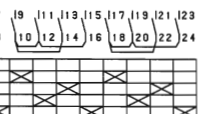

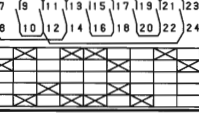

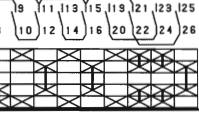

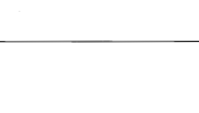


Schaltstellungen positions positions **4...5**

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13	03 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>A</b> T0-7-8608 T3-7-8608	04 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>A</b> T0-7-8610 T3-7-8610
13	05 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>A</b> T0-7-8614 T3-7-8614	06 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>A</b> T0-7-8616 T3-7-8616
13	07 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>A</b> T0-7-8618 T3-7-8618	08 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-155 T3-7-155
13	09 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-159 T3-7-159	10 FS 163  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-163 T3-7-163
13... 14	11 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-132 T3-7-132	12 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-187 T3-7-187
14	13 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-188 T3-7-188	14 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-7-189 T3-7-189
15... 16	15 FS 420  11 13 15 17 19 11 13 15 17 19 21 23 25 27 29 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 0 1 2 3	<b>A</b> T0-8-8487 T3-8-8487	16 FS 406  11 13 15 17 19 11 13 15 17 19 21 23 25 27 29 31 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 0 1 2 3 4	<b>A</b> T0-8-8477 T3-8-8477
16	17 FS 616  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3	<b>B</b> T0-8-15100 T3-8-15100	18 FS 405  11 13 15 17 19 11 13 15 17 19 21 23 25 2 4 6 8 10 12 14 16 18 20 22 24 26 0 1 2 3 4	<b>B</b> T0-8-184 T3-8-184
3...4	19 FS 422  11 13 15 17 2 4 6 8 0 1 2 3 4	<b>A</b> T0-2-8340 T3-2-8340	20 FS 422  11 13 15 17 2 4 6 8 0 1 2 3 4	<b>A</b> T0-2-8242 T3-2-8242
4	22 FS 140660  START START 11 13 15 17 2 4 6 8 0 1 2 3 4	<b>A</b> T0-2-8182 T3-2-8182	23 FS 6057  11 13 15 17 2 4 6 8 0 1 2 3 4	<b>A</b> T0-2-8181 T3-2-8181
4	25 FS 422  L L L L L 1 2 3 4 0 1 2 3 4	<b>B</b> T0-2-172 T3-2-172	26 FS 422  L L L L L 1 2 3 4 0 1 2 3 4	<b>B</b> T0-2-15025 T3-2-15025
5	28 FS 408  11 13 15 17 19 2 4 6 8 10 1 2 3 4 5	<b>A</b> T0-3-8232 T3-3-8232	29 FS 1410764  13 15 17 19 11 4 6 8 10 12 L3-L1 L2-L3 L1-L2 L1-M 0 1 2 3 4 5	<b>A</b> T0-3-8010 T3-3-8010
5	30 FS 408  L L L L L 1 2 3 4 5 1 2 3 4 5	<b>B</b> T0-3-15005 T3-3-15005	31 FS 408  L L L L L 1 2 3 4 5 1 2 3 4 5	<b>B</b> T0-3-150 T3-3-150
5	32 FS 408  L L L L L 1 2 3 4 5 1 2 3 4 5	<b>B</b> T0-3-179 T3-3-179		

Kontakte  
Contacts

Schaltstellungen positions positions

5

5	<p>01</p>  <p>FS 1410756</p>  <p><b>B</b> T0-3-15 T3-3-15</p>	<p>02</p>  <p>FS 1410758</p>  <p><b>B</b> T0-3-17 T3-3-17</p>
6	<p>03</p>  <p>FS 142074</p>  <p><b>A</b> T0-3-8426 T3-3-8426</p>	<p>04</p>  <p>FS 1409</p>  <p><b>B</b> T0-3-15123 T3-3-15123</p>
6	<p>05</p>  <p>FS 141411</p>  <p><b>B</b> T0-3-15064 T3-3-15064</p>	<p>06</p>  <p>FS 141412</p>  <p><b>B</b> T0-4-15065 T3-4-15065</p>
6...7	<p>07</p>  <p>FS 142074</p>  <p><b>B</b> T0-3-15122 T3-3-15122</p>	<p>08</p>  <p>FS 608</p>  <p><b>A</b> T0-4-15086 T3-4-15086</p>
7	<p>09</p>  <p>FS 1470273</p>  <p><b>A</b> T0-4-8402 T3-4-8402</p>	<p>10</p>  <p>FS 317</p>  <p><b>B</b> T0-4-15915 T3-4-15915</p>
8	<p>11</p>  <p>FS 422</p>  <p><b>A</b> T0-4-8262 T3-4-8262</p>	<p>12</p>  <p>FS 422</p>  <p><b>B</b> T0-4-15132 T3-4-15132</p>
8	<p>13</p>  <p>FS 161795</p>  <p><b>B</b> T0-4-8070 T3-4-8070</p>	<p>14</p>  <p>FS 422</p>  <p><b>B</b> T0-4-15031 T3-4-15031</p>
8...10	<p>15</p>  <p>FS 142074</p>  <p><b>B</b> T0-4-15126 T3-4-15126</p>	<p>16</p>  <p>FS 629</p>  <p><b>A</b> T0-5-8453 T3-5-8453</p>
10	<p>17</p>  <p>FS 408</p>  <p><b>A</b> T0-5-8252 T3-5-8252</p>	<p>18</p>  <p>FS 638</p>  <p><b>B</b> T0-5-15896 T3-5-15896</p>
10	<p>19</p>  <p>FS 629</p>  <p><b>B</b> T0-5-71 T3-5-71</p>	<p>20</p>  <p>FS 408</p>  <p><b>B</b> T0-5-15139 T3-5-15139</p>
10	<p>21</p>  <p>FS 160896</p>  <p><b>B</b> T0-5-8073 T3-5-8073</p>	<p>22</p>  <p>FS 408</p>  <p><b>B</b> T0-5-15012 T3-5-15012</p>
11	<p>23</p>  <p>FS 638</p>  <p><b>B</b> T0-6-15898 T3-6-15898</p>	<p>24</p>  <p>FS 629</p>  <p><b>B</b> T0-6-73 T3-6-73</p>
11	<p>25</p>  <p>FS 629</p>  <p><b>B</b> T0-6-74 T3-6-74</p>	<p>26</p>  <p>FS 638</p>  <p><b>B</b> T0-6-15901 T3-6-15901</p>
12	<p>27</p>  <p>FS 638</p>  <p><b>A</b> T0-6-15877 T3-6-15877</p>	<p>28</p>  <p>FS 422</p>  <p><b>A</b> T0-6-8282 T3-6-8282</p>
12	<p>29</p>  <p>FS 629</p>  <p><b>A</b> T0-6-15866 T3-6-15866</p>	<p>30</p>  <p>FS 638</p>  <p><b>A</b> T0-7-8420 T3-7-8420</p>

**Kontakte  
Contacts**

Schaltstellungen    positions    positions

**5...6**

12	01  FS 638	 <b>B</b> T0-6-15897 T3-6-15897		
12	02  FS 629	 <b>B</b> T0-6-66 T3-6-66	03  FS 629	 <b>A</b> T0-6-8442 T3-6-8442
12	04  FS 422	 <b>B</b> T0-6-15145 T3-6-15145	05  FS 422	 <b>B</b> T0-6-15037 T3-6-15037
12... 13	06  FS 629	 <b>B</b> T0-6-72 T3-6-72	07  FS 629	 <b>B</b> T0-7-68 T3-7-68
13... 14	08  FS 629	 <b>B</b> T0-7-69 T3-7-69	09  FS 629	 <b>A</b> T0-7-15867 T3-7-15867
14... 15	10  FS 629	 <b>B</b> T0-7-67 T3-7-67	11  FS 6584	 <b>B</b> T0-8-15092 T3-8-15092
15	12  FS 408	 <b>B</b> T0-8-15152 T3-8-15152	13  FS 408	 <b>B</b> T0-8-15019 T3-8-15019
16	14  FS 422	 <b>A</b> T0-8-8482 T3-8-8482	15  FS 618	 <b>A</b> T0-8-8604 T3-8-8604
16	16  FS 6409	 <b>A</b> T0-8-8454 T3-8-8454	17  FS 617	 <b>B</b> T0-8-137 T3-8-137
4			18  FS 640	 <b>A</b> T0-2-8003 T3-2-8003
4... 5	19  FS 620	 <b>B</b> T0-2-191 T3-2-191	20  FS 424	 <b>A</b> T0-3-8243 T3-3-8243
5	21  FS 424	 <b>B</b> T0-3-173 T3-3-173	22  FS 424	 <b>B</b> T0-3-144 T3-3-144
5	23  FS 620	 <b>B</b> T0-3-192 T3-3-192	24  FS 424	 <b>B</b> T0-3-15026 T3-3-15026

Kontakte Contacts

Schaltstellungen positions positions **6...7**

6	01  FS 410	 A	<b>T0-3-8233</b> <b>T3-3-8233</b>	02  FS 164721	 A	<b>T0-3-15924</b> <b>T3-3-15924</b>
6	03  FS 410	 B	<b>T0-3-151</b> <b>T3-3-151</b>	04  FS 164721	 B	<b>T0-3-15916</b> <b>T3-3-15916</b>
6	05  FS 410	 B	<b>T0-3-180</b> <b>T3-3-180</b>	06  FS 410	 B	<b>T0-3-15006</b> <b>T3-3-15006</b>
8	07  FS 653	 A	<b>T0-4-8006</b> <b>T3-4-8006</b>	08  FS 640	 B	<b>T0-4-8443</b> <b>T3-4-8443</b>
10	09  FS 424	 A	<b>T0-5-8263</b> <b>T3-5-8263</b>	10  FS 160756	 B	<b>T0-5-8533</b> <b>T3-5-8533</b>
10	11  FS 424	 B	<b>T0-5-15032</b> <b>T3-5-15032</b>	12  FS 424	 B	<b>T0-5-15133</b> <b>T3-5-15133</b>
10... 11	13  FS 161678	 B	<b>T0-5-15643</b> <b>T3-5-15643</b>	14  FS 620	 A	<b>T0-6-8464</b> <b>T3-6-8464</b>
12	15  FS 410	 A	<b>T0-6-8253</b> <b>T3-6-8253</b>	16  FS 410	 B	<b>T0-6-15140</b> <b>T3-6-15140</b>
12... 13	17  FS 410	 B	<b>T0-6-15013</b> <b>T3-6-15013</b>	18  FS 620	 B	<b>T0-7-195</b> <b>T3-7-195</b>
15	19  FS 408	 A	<b>T0-8-8272</b> <b>T3-8-8272</b>	20  FS 424	 A	<b>T0-8-8283</b> <b>T3-8-8283</b>
15	21  FS 424	 B	<b>T0-8-15146</b> <b>T3-8-15146</b>	22  FS 424	 B	<b>T0-8-15038</b> <b>T3-8-15038</b>
6	23  FS 426	 A	<b>T0-3-8244</b> <b>T3-8-8244</b>	24  FS 1410759	 A	<b>T0-3-8007</b> <b>T3-3-8007</b>
6	25  FS 426	 B	<b>T0-3-174</b> <b>T3-3-174</b>	26  FS 426	 B	<b>T0-3-145</b> <b>T3-3-145</b>

Kontakte  
Contacts

Schaltstellungen

positions

positions

7...8

6	01 FS 1410759 	B T0-3-19 T3-3-19	02 FS 426 	B T0-3-15027 T3-3-15027
7	03 FS 412 	A T0-3-8234 T3-4-8234	04 FS 412 	B T0-4-152 T3-4-152
7	05 FS 412 	B T0-4-181 T3-4-181	06 FS 412 	B T0-4-15007 T3-4-15007
8... 12	07 FS 1410763 	A T0-4-8008 T3-4-8008	08 FS 426 	B T0-6-8264 T3-6-8264
12	09 FS 426 	B T0-6-15134 T3-6-15134	10 FS 4686 	B T0-6-15105 T3-6-15105
12... 14	11 FS 426 	B T0-6-15033 T3-6-15033	12 FS 412 	A T0-7-8254 T3-7-8254
14	13 FS 412 	B T0-7-15141 T3-7-15141	14 FS 412 	B T0-7-15014 T3-7-15014
15	15 FS 449 	A T0-8-8460 T3-8-8460	16 FS 4219 	A T0-8-8446 T3-8-8446
15	17 FS 409 	B T0-8-8456 T3-8-8456	18 FS 449 	B T0-8-8458 T3-8-8458
6... 7	19 FS 428 	B T0-3-194 T3-3-194	20 FS 428 	A T0-4-8245 T3-4-8245
7	21 FS 428 	B T0-4-146 T3-4-146	22 FS 428 	B T0-4-175 T3-4-175
7... 8	23 FS 428 	B T0-4-15028 T3-4-15028	24 FS 414 	A T0-4-8235 T3-4-8235
8	25 FS 42400 	A T0-4-15601 T3-4-15601	26 FS 414 	B T0-4-153 T3-4-153

Kontakte  
Contacts

Schaltstellungen positions positions

8...10

8	01			<b>B</b>	T0-4-15008 T3-4-15008	02			<b>B</b>	T0-4-182 T3-4-182
8... 9	03			<b>B</b>	T0-4-8071 T3-4-8071	04			<b>B</b>	T0-5-8072 T3-5-8072
12... 13	05			<b>A</b>	T0-6-8009 T3-6-8009	06			<b>A</b>	T0-7-8074 T3-7-8074
13... 14	07			<b>B</b>	T0-7-196 T3-7-196	08			<b>A</b>	T0-7-8265 T3-7-8265
14	09			<b>B</b>	T0-7-15135 T3-7-15135	10			<b>B</b>	T0-7-15034 T3-7-15034
14	11			<b>B</b>	T0-7-8075 T3-7-8075	12			<b>B</b>	T0-7-8076 T3-7-8076
16	13			<b>A</b>	T0-8-8255 T3-8-8255	14			<b>B</b>	T0-8-15142 T3-8-15142
16... 8	15			<b>B</b>	T0-8-15015 T3-8-15015	16			<b>A</b>	T0-4-8246 T3-4-8246
8	17			<b>B</b>	T0-4-15246 T3-4-15246	18			<b>B</b>	T0-4-15215 T3-4-15215
8... 9	19			<b>B</b>	T0-4-15223 T3-4-15223	20			<b>A</b>	T0-5-8236 T3-5-8236
9	21			<b>B</b>	T0-5-15250 T3-5-15250	22			<b>B</b>	T0-5-15219 T3-5-15219
9... 16	23			<b>B</b>	T0-5-15227 T3-5-15227	24			<b>B</b>	T0-8-8266 T3-8-8266
16... 8	25			<b>B</b>	T0-8-15290 T3-8-15290	26			<b>A</b>	T0-4-15602 T3-4-15602


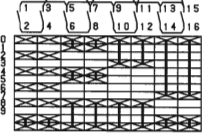

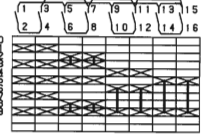

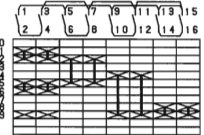

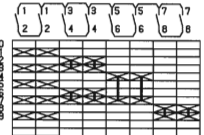

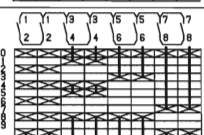

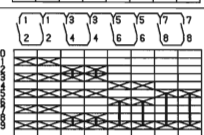



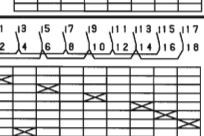

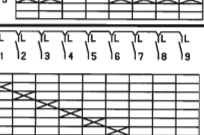

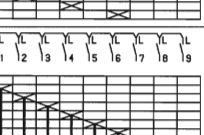

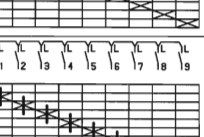

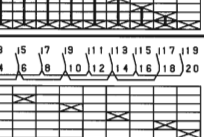



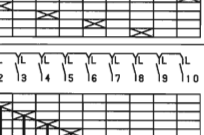



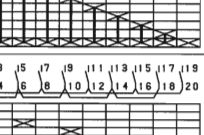



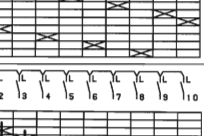

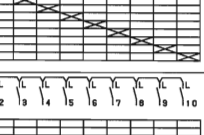

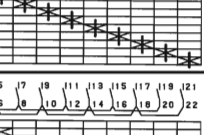

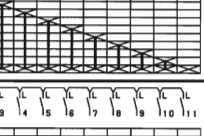

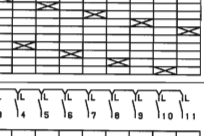

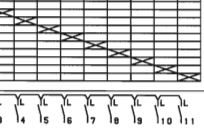

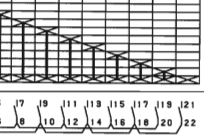

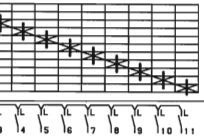

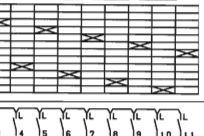
Kontakte  
Contacts

Schaltstellungen

positions


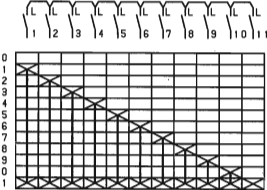
positions

10...12


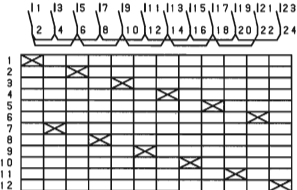
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8	05	 FS 312	 <b>B</b> T0-4-15381 T3-4-15381	06	 FS 312	 <b>B</b> T0-4-15382 T3-4-15382
8... 9	07	 FS 312	 <b>B</b> T0-4-15384 T3-4-15384	08	 FS 312	 <b>A</b> T0-5-8247 T3-5-8247
9	09	 FS 312	 <b>B</b> T0-5-15247 T3-5-15247	10	 FS 312	 <b>B</b> T0-5-15216 T3-5-15216
9... 10	11	 FS 312	 <b>B</b> T0-5-15224 T3-5-15224	12	 FS 303	 <b>A</b> T0-5-8237 T3-5-8237
10	13	 FS 303	 <b>B</b> T0-5-15251 T3-5-15251	14	 FS 303	 <b>B</b> T0-5-15220 T3-5-15220
10	15	 FS 303	 <b>B</b> T0-5-15228 T3-5-15228	16	 FS 311	 <b>A</b> T0-5-8248 T3-5-8248
10	17	 FS 311	 <b>B</b> T0-5-15248 T3-5-15248	18	 FS 311	 <b>B</b> T0-5-15225 T3-5-15225
10... 11	19	 FS 311	 <b>B</b> T0-5-15217 T3-5-15217	20	 FS 302	 <b>A</b> T0-6-8238 T3-6-8238
11	21	 FS 302	 <b>B</b> T0-6-15252 T3-6-15252	22	 FS 302	 <b>B</b> T0-6-15221 T3-6-15221
11	23	 FS 302	 <b>B</b> T0-6-15229 T3-6-15229	24	 FS 310	 <b>A</b> T0-6-8249 T3-6-8249
11	25	 FS 310	 <b>B</b> T0-6-15249 T3-6-15249	26	 FS 310	 <b>B</b> T0-6-15226 T3-6-15226

Kontakte Contacts

11...  
12


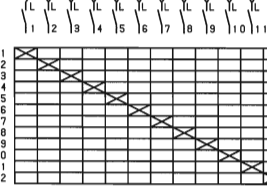
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**T3-6-15218**


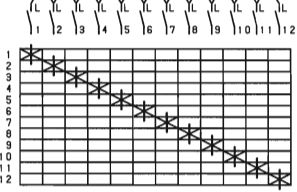
02  FS 301  **A**

**T0-6-8239**  
**T3-6-8239**

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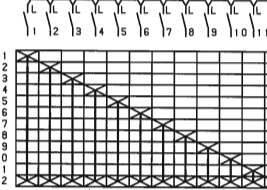
03  FS 301  **B**

**T0-6-15253**  
**T3-6-15253**



04  FS 301  **B**

**T0-6-15230**  
**T3-6-15230**

12


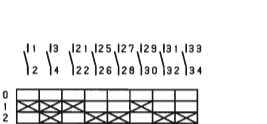
05  FS 301  **B**

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**T3-6-15222**


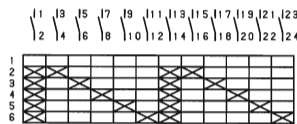
06  FS 610  **B**

**T0-4-15551**  
**T3-4-15551**

8  
12


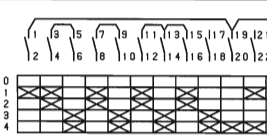
07  FS 614  **B**

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**T3-4-15551**


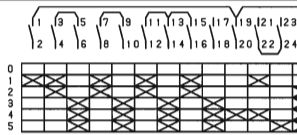
08  FS 610  **B**

**T0-6-15554**  
**T3-6-15554**

17  
18


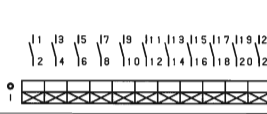
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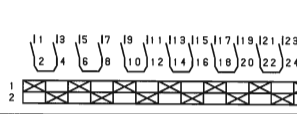
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**T0-9-15553**  
**T3-9-15553**

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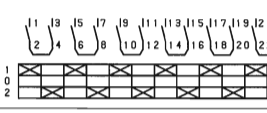
11  FS 908  **B**

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**T3-9-8354**


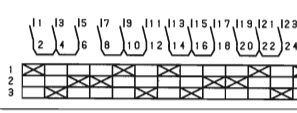
12  FS 943  **B**

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**T3-9-8373**

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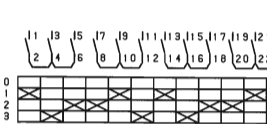
13  FS 684  **B**

**T0-9-8365**  
**T3-9-8365**


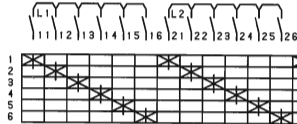
14  FS 604  **B**

**T0-9-8489**  
**T3-9-8489**

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
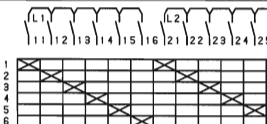
15  FS 420  **B**

**T0-9-8492**  
**T3-9-8492**


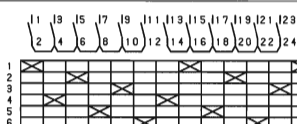
16  FS 410  **B**

**T0-9-15120**  
**T3-9-15120**

18


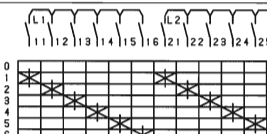
17  FS 410  **B**

**T0-9-15153**  
**T3-9-15153**


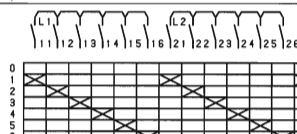
18  FS 610  **B**

**T0-9-8273**  
**T3-9-8273**

18


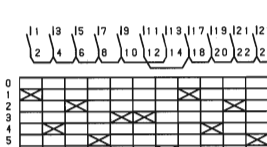
19  FS 426  **B**

**T0-9-15039**  
**T3-9-15039**


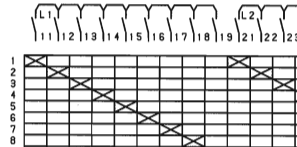
20  FS 426  **B**

**T0-9-15147**  
**T3-9-15147**

18


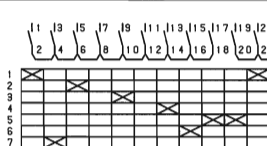
21  FS 426  **B**

**T0-9-8284**  
**T3-9-8284**


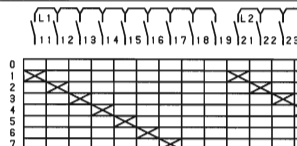
22  FS 304  **B**

**T0-9-15294**  
**T3-9-15294**

18

23  FS 304  **B**

**T0-9-8256**  
**T3-9-8256**

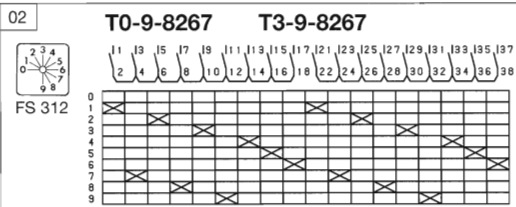
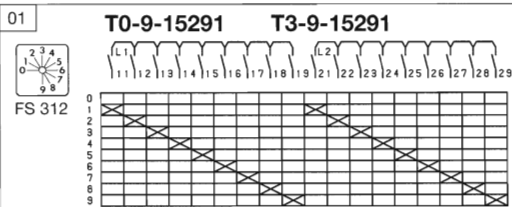
24  FS 312  **B**

**T0-9-15291**  
**T3-9-15291**

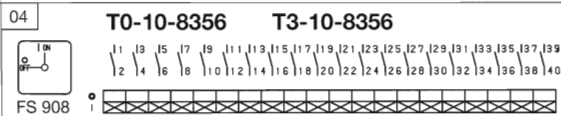
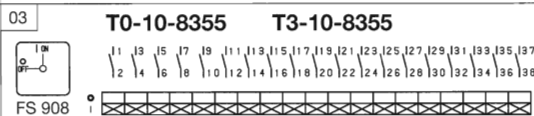


Kontakte  
Contacts

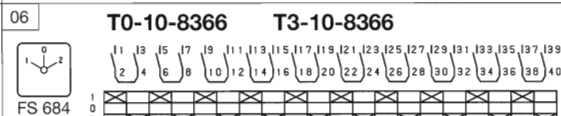
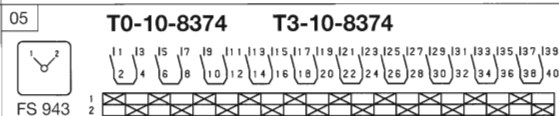
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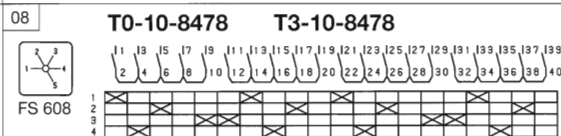
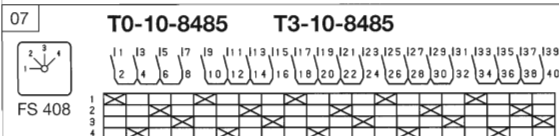
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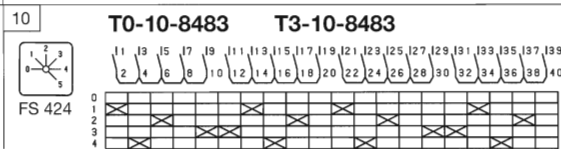
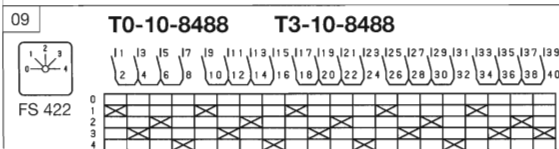
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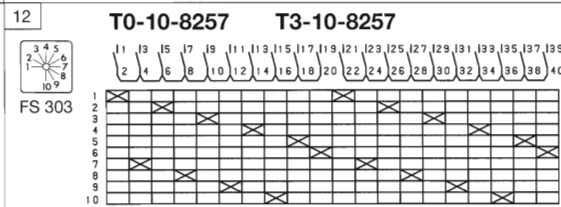
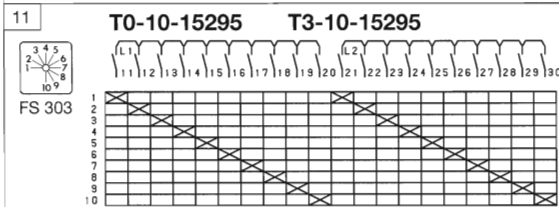
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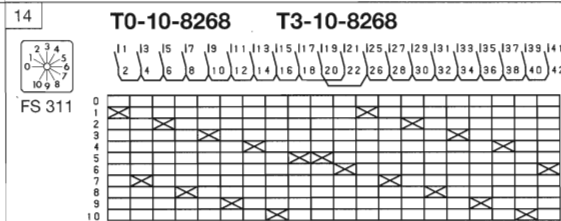
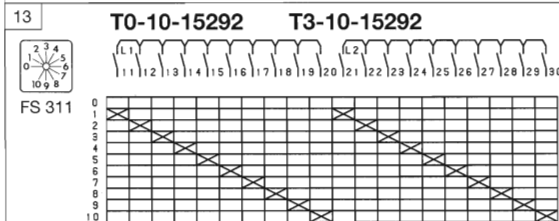
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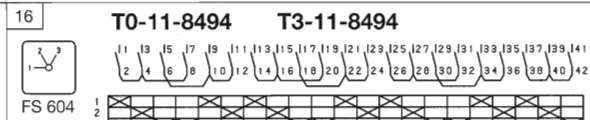
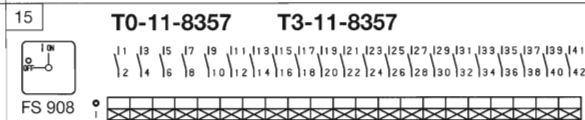
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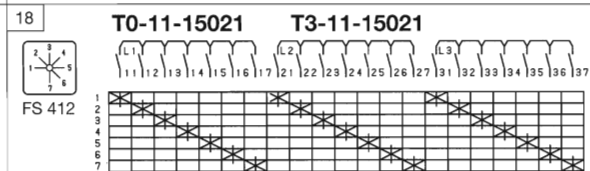
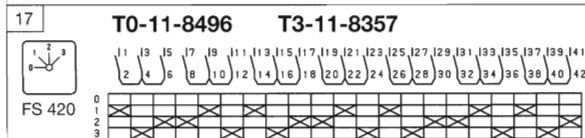
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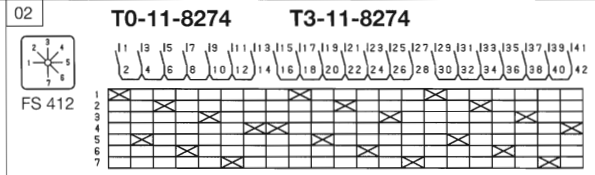
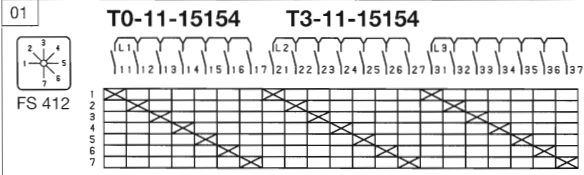


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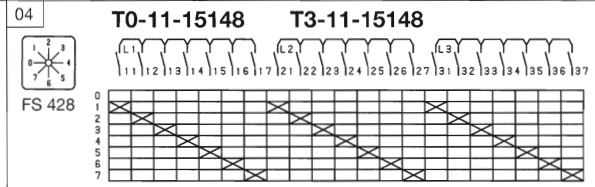
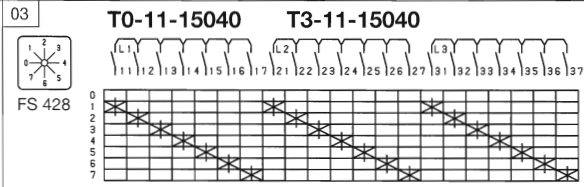


Kontakte Contacts

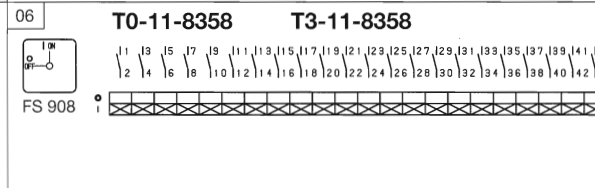
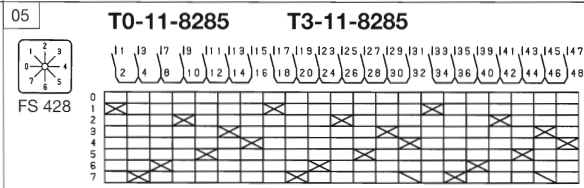
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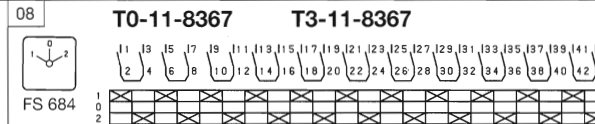
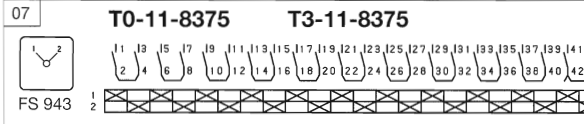
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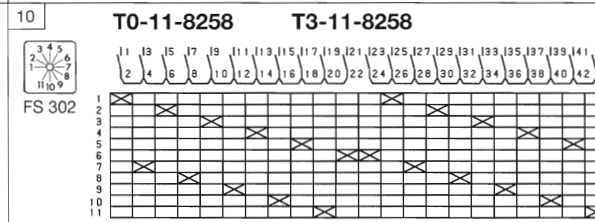
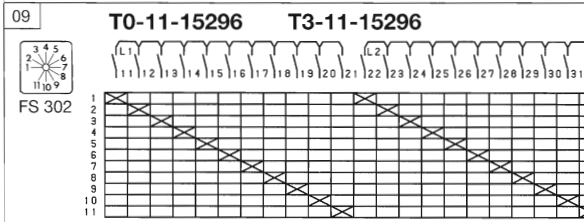
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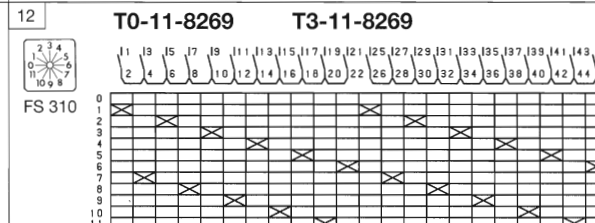
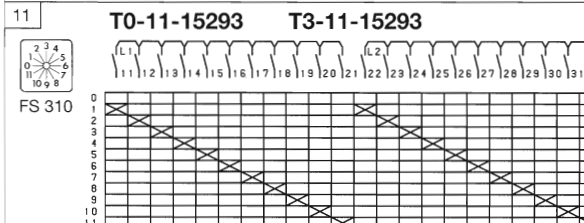
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**Teil 2: Standardschaltungen**  
**Part 2: Standard contact sequences**  
**Partie 2 : Schémas standards**

nach Verwendungszweck  
by application  
classés par type d'application

**Baugröße T0, T3 bis  $I_u = 32$  A**  
**Switch size T0, T3 up to  $I_u = 32$  A**  
**Modèle T0, T3 jusqu'à  $I_u = 32$  A**

**2/01**

# Nockenschalter / Rotary switches / Commutateurs à cames

## Verwendungszweck

Die Angabe eines Verwendungszweckes, wie „Polumschalter“ bezeichnet das Haupteinsatzgebiet. Der Schalter ist genauso gut als Steuerungsschalter oder z. B. Heizungsschalter einsetzbar, wenn die Schaltung und die technischen Daten mit der Projektierung übereinstimmen.

## Application

An application such as “Multi-speed switches” defines the main area of application. The switch can be used just as well as a control switch or e. g. heater switch if the contact sequence and the technical data meet design requirements.

## Type d'application

L'indication d'un type d'application comme «Commutateur de pôles» désigne le principal domaine d'utilisation de l'appareil. Ce dernier peut toutefois être utilisé pour d'autres applications (commutateur de commande ou de chauffage, par exemple), à condition que le schéma et les caractéristiques techniques soient adaptées.

<b>Hauptschalter</b> Reparaturschalter Sicherheitsschalter EIN-AUS-Schalter	<b>Main switches</b> Maintenance switch Safety switch ON-OFF switch	<b>Interrupteurs généraux</b> Interrupteurs de réparation Interrupteurs de sécurité Commutateurs Marche-Arrêt
<b>Umschalter</b>	<b>Changeover switches</b>	<b>Inverseurs</b>
<b>Wende-Schalter</b>	<b>Reversing switches</b>	<b>Inverseurs de marche</b>
<b>Stern-Dreieck-Schalter</b>	<b>Star-delta switches</b>	<b>Commutateurs étoile-triangle</b>
<b>Wende-Stern-Dreieck-Schalter</b>	<b>Reversing star-delta switches</b>	<b>Inverseurs étoile-triangle</b>
<b>Polumschalter</b>	<b>Speed switches</b>	<b>Commutateurs de pôles</b>
<b>Wende-Polumschalter</b>	<b>Speed reversing switches</b>	<b>Inverseurs-commutateurs de pôles</b>
<b>Polumschalter</b> 2 Drehzahlen, 2 getrennte Wicklungen 3 Drehzahlen, 2 getrennte Wicklungen 3 Drehzahlen, 1 Wicklung 4 Drehzahlen, 2 x Dahlander	<b>Speed switches</b> 2 speeds, 2 separate windings 3 speeds, 2 separate windings 3 speeds, 1 winding 4 speeds, 2 tapped windings	<b>Commutateurs de pôles</b> 2 vitesses, 2 enroulements séparés 3 vitesses, 2 enroulements séparés 3 vitesses, 1 enroulement 4 vitesses, 2 couplages «Dahlander»
<b>Mehr-Motoren-Schalter</b>	<b>Multi motor switches</b>	<b>Commutateurs pour plusieurs moteurs</b>
<b>Hilfsphasen-Schalter</b>	<b>Single-phase switches</b>	<b>Commutateurs de phases auxiliaires</b>
<b>Steuermotorenschalter</b>	<b>Switches for servo-motors</b>	<b>Commutateurs pour servo-moteurs</b>
<b>Synchronisierschalter</b>	<b>Synchronizing switches</b>	<b>Sélecteurs de synchronisation</b>
<b>Heizungsschalter</b>	<b>Heater switches</b>	<b>Commutateurs de chauffage</b>
<b>Stufenschalter</b> mit/ohne Nullstellung mit unterbrechungsloser Umschaltung mit Zuschaltung von Stufen mit Nullstellung	<b>Step switches</b> with/without “OFF”-position with non-interrupted changeover with incremental steps with “OFF”-position	<b>Commutateurs à gradins</b> avec/sans position «0» sans interruption à la commutation mise en service de crans avec position «0»
<b>Spannungsmesser-Umschalter</b>	<b>Voltmeter selector switches</b>	<b>Commutateurs de voltmètre</b>
<b>Strommesser-Umschalter</b>	<b>Ammeter selector switches</b>	<b>Commutateurs d'ampèremètre</b>
<b>Spannungs-Strommesser-Umschalter</b>	<b>Voltmeter-ammeter selector switches</b>	<b>Commutateurs de voltmètre/ampèremètre</b>
<b>Leistungsmesser-Umschalter</b>	<b>Wattmeter selector switches</b>	<b>Commutateurs de wattmètre</b>
<b>Leistungsfaktormesser-Umschalter</b>	<b>Power factor selector switches</b>	<b>Commutateurs de mesure de cos phi</b>
<b>Meßstellen-Umschalter</b>	<b>Test-point selector switches</b>	<b>Commutateurs de points de mesure</b>
<b>Steuerschalter</b> Tastenschalter Stellschalter Umschalter	<b>Control switches</b> Impulse switches Stay-put switch Changeover switches	<b>Commutateurs de commande</b> Commutateurs à retour automatique Commutateurs à position stables Inverseurs
<b>Programmschalter</b>	<b>Mode selector switches</b>	<b>Sélecteurs de service</b>
<b>Wechselstromschalter</b>	<b>A.C. switches</b>	<b>Commutateurs pour courant alternatif</b>
<b>Codierschalter</b>	<b>Coding switches</b>	<b>Commutateurs de codage</b>
<b>Spezialschalter</b>	<b>Special switches</b>	<b>Commutateurs spéciaux</b>
<b>Standardisierte Verriegelungen</b>	<b>Standard interlock</b>	<b>Verrouillage standards</b>
<b>Betriebsarten-Wahlschalter</b>	<b>Operating mode selector switches</b>	<b>Sélecteurs de modes</b>

# Nockenschalter / Rotary switches / Commutateurs à cames Standardschaltungen / Standard contact sequences / Schémas standards

## Baugröße / Switch size / Taille

T0	T3	T5B	T5
Bemessungsbetriebsleistung AC-3 / Rated operational power AC-3 / Puissance assignées d'emploi AC-3			
4 kW (380 – 440 V)	11 kW (380 – 440 V)	22 kW (380 – 440 V)	37 kW (380 – 440 V)
Bemessungsdauerstrom / Rated uninterrupted current / Courant assigné ininterrompu			
20 A	32 A	63 A	100 A
2/04			3/03
2/04			3/03
2/06 + 2/78			3/02 + 3/05
2/07 + 2/78			3/06
2/11			3/11
2/13			3/13
2/16			3/17
2/17			3/18
2/20			3/21
2/21			3/22
2/24			3/25
2/30 + 2/79			3/32
2/31 + 2/80			3/33
2/31			3/34
2/32			3/35
2/34			
2/34			
2/35			3/37
2/37 + 2/81			3/39
2/49 + 2/81			3/56
2/54			3/58
2/56			
2/58			
2/60			3/60
2/62			
2/63			
2/63			
2/65			
2/66			3/61
2/70			3/63
2/72			3/64
2/74			
2/75			3/65
2/76			
2/77			
2/79			3/66
2/89			

## Standardschaltungen

## Standard contact sequences

## Schémas standards

In diesem Teil sind die Schaltungen nach Verwendungszweck sortiert mit Schaltdiagrammen und zugehörigem Frontschild dargestellt.

This section contains contact sequences sorted according to application and show the corresponding circuit diagram and front plate.

Dans cette partie, les schémas sont classés selon leur type d'application et représentés avec leur diagramme de fonctionnement et leur plastron.

Standardschalter nach Schaltstellungs- und Kontaktzahl sortiert sind in Teil 1 zusammengestellt.









Standard switches according to the number of switch positions and contacts are listed in section 1.









Vous trouverez dans la partie 1 les commutateurs standards classés selon leur nombre de positions et de contacts.









Folgende Zeichen wurden zur Darstellung der Schaltungen verwendet:

The following symbols were used for showing the contact sequences:

Signification des symboles utilisés dans les schémas:

	Kontakt geschlossen
	Kontakt geschlossen, ohne Unterbrechung
	Kontakt geschlossen, mit Unterbrechung
	automatischer Rückzug
	Kontakt nacheilend
	Kontakt voreilend
	Überlappung
	Kontakt zwischen 2 Schaltstellungen geschlossen, Wischkontaktgabe in beide Schalterrichtungen

	Contact closed
	Contact closed without interruption
	Contact closed with interruption
	Automatic return
	Late-break contact
	Early-make contact
	Overlap
	Contact closed between 2 switch positions, fleeting contacts in both switch directions



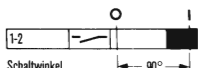

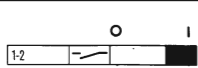

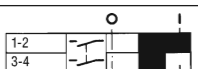

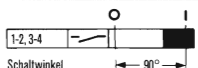
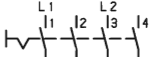
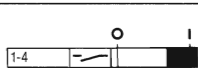
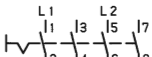
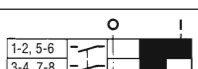


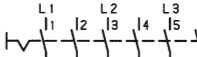

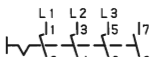
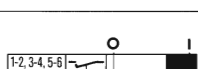
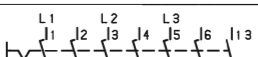
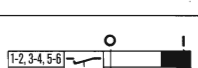
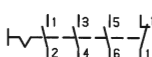
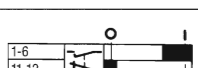
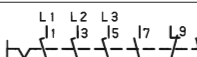
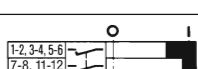
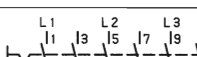

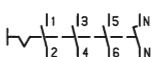
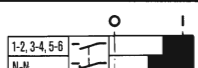
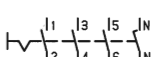
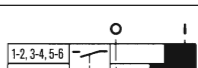
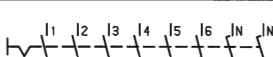
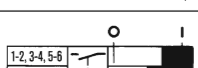
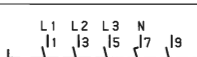

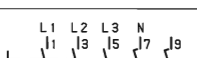

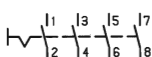
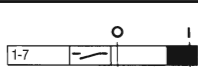
	Contact fermé
	Contact fermé sans interruption
	Contact fermé avec interruption
	Retour automatique
	Contact à action retardée
	Contact à action avancée
	Contacts chevauchants
	Contact fermé entre 2 positions, contact fugitif dans les deux sens



**Main switch, maintenance switch, safety switch**  
with load-sharing contacts and (or) position indicator  
**Interrupteurs généraux, interrupteurs de réparation,**  
**interrupteurs de sécurité**  
avec contact «de précoupeure» et (ou) indicateur de position

**Hauptschalter, Reparaturschalter,**  
**Sicherheitsschalter**


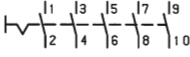
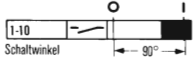
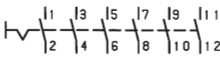
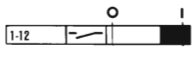
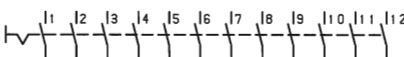
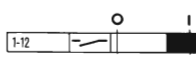
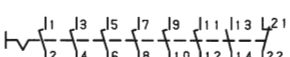

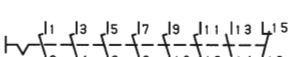

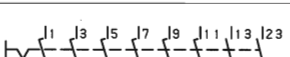
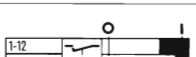
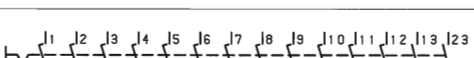
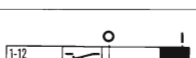
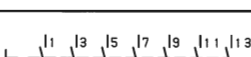
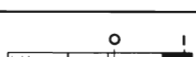
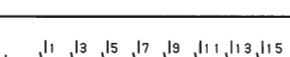
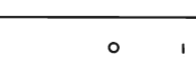
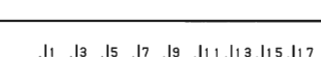
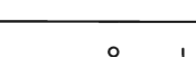
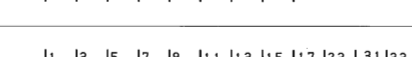
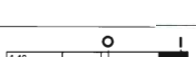
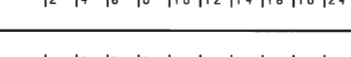
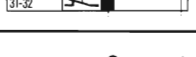
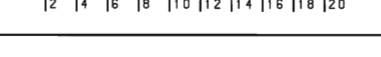
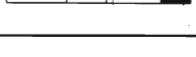
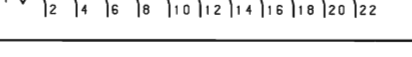
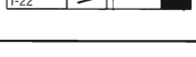
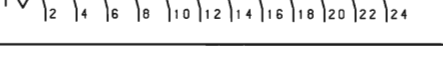
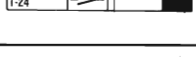
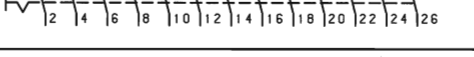
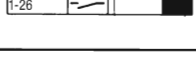
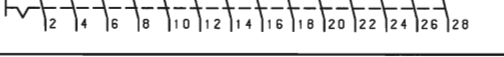
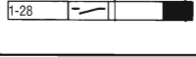
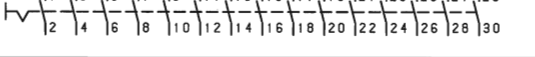
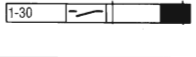
mit Lastabwurfkontakt und (oder) Schaltstellungsmeldung

Hauptstrombahnen Main contacts Poles principaux	Hilfstrombahnen Auxiliary contacts Contacts auxiliaires			Kontakte Contacts Contacts	Schalt diagramm Contact diagram Diagrammes	 FS 908  Typ Type
	Schließer M Make F Travail △ sond 30	Öffner B Break O Repos △ sond 29	Wischer Fleeting contact Contact fugitif			
1	—	—	—		 Schaltwinkel 90°	T0-1-8200 T3-1-8200
1	—	—	—			T0-1-15263 T3-1-15263
1	—	—	1			T0-1-15521 T3-1-15521
2	—	—	—		 Schaltwinkel 90°	T0-1-102 T3-1-102
2	—	—	—			T0-2-15267 T3-2-15267
2	—	—	2			T0-2-15522 T3-2-15522
3	—	—	—			T0-2-1 T3-2-1
3	—	—	—			T0-3-12 T3-3-12
3	1	—	—			T0-2-15679 T3-2-15679
3	1	—	—			T0-1-15256 T3-1-15256
3	—	1	—			T0-2-113 T3-2-113
3	2	1	—			T0-3-15683 T3-3-15683
3	—	—	3			T0-3-15523 T3-3-15523
3+N	—	—	—			T0-2-8293 T3-2-8293
3+N	—	—	—			T0-2-10 T3-2-10
3+N	—	—	—			T0-4-22 T3-4-22
3+N	1	1	—			T0-3-15680 T3-3-15680
3+N	1	1	—			T0-3-15681 T3-3-15681
4	—	—	—			T0-2-8324 T3-2-8324



**Main switch, maintenance switch, safety switch**  
 with load-sharing contacts and (or) position indicator  
**Interrupteurs généraux, interrupteurs de réparation,**  
**interrupteurs de sécurité**  
 avec contact «de précoupure» et (ou) indicateur de position

# Hauptschalter, Reparaturschalter, Sicherheitsschalter

Hauptstrombahnen Main contacts Poles principaux	Hilfstrombahnen* Auxiliary contacts Contacts auxiliaires		Kontakte Contacts Contacts	Schalt diagramm Contact diagram Diagrammes	 FS 908  Typ Type
	Schließer M Make F Travail △ sond30	Öffner B Break O Repos △ sond29			
5	—	—			<b>T0-3-8341</b> <b>T3-3-8341</b>
6	—	—			<b>T0-3-8342</b> <b>T3-3-8342</b>
6	—	—			<b>T0-6-13</b> <b>T3-6-13</b>
6	1	1			<b>T0-4-15164</b> <b>T3-4-15164</b>
6	1	1			<b>T0-4-15682</b> <b>T3-4-15682</b>
6	2	—			<b>T0-4-15700</b> <b>T3-4-15700</b>
6	2	—			<b>T0-7-15701</b> <b>T3-7-15701</b>
7	—	—			<b>T0-4-8343</b> <b>T3-4-8343</b>
8	—	—			<b>T0-4-8344</b> <b>T3-4-8344</b>
9	—	—			<b>T0-5-8345</b> <b>T3-5-8345</b>
9	2	1			<b>T0-6-15168</b> <b>T3-6-15168</b>
10	—	—			<b>T0-5-8346</b> <b>T3-5-8346</b>
11	—	—			<b>T0-6-8347</b> <b>T3-6-8347</b>
12	—	—			<b>T0-6-8348</b> <b>T3-6-8348</b>
13	—	—			<b>T0-7-8349</b> <b>T3-7-8349</b>
14	—	—			<b>T0-7-8350</b> <b>T3-7-8350</b>
15	—	—			<b>T0-8-8351</b> <b>T3-8-8351</b>
16	—	—			<b>T0-8-8352</b> <b>T3-8-8352</b>

\* Die technischen Daten unseres Hauptkatalogs gelten für alle Strombahnen.

Pole Poles Pôles		Typ Type Type		
1		T0-1-15471	T3-1-15471	
2		T0-1-15472	T3-1-15472	
3		T0-2-15473	T3-2-15473	
4		*) T0-2-15474	T3-2-15474	
5		T0-3-15475	T3-3-15475	
6		T0-3-15476	T3-3-15476	
1		T0-1-15481	T3-1-15481	
2		T0-1-15482	T3-1-15482	
3		T0-2-15483	T3-2-15483	
4		*) T0-2-15484	T3-2-15484	
4		T0-2-8064	T3-2-8064	
4		T0-2-8324	T3-2-8324	
2		T0-1-8201	T3-1-8201	
3		T0-2-8202	T3-2-8202	
4		T0-2-8203	T3-2-8203	
3		T0-2-8224	T3-2-8224	
4		*) T0-2-8225	T3-2-8225	
2		T0-1-15108	T3-1-15108	
4		T0-2-8060	T3-2-8060	
4		*) T0-2-15042	T3-2-15042	Mit Rundschtaltung Complete rotation Commutation sans butée
1		T0-1-8001	T3-1-8001	
2		T0-1-8002	T3-1-8002	
3		T0-2-8208	T3-2-8208	

\*) N = voreilend ein / early make neutral / neutre à fermeture avancée

**Pole**  
Poles  
Pôles

**Typ**  
Type  
Type

Pole	Diagram	Typ	Change over	Symbol
1		T0-1-8220	T3-1-8220	
2		T0-2-8221	T3-2-8221	
3		T0-3-8222	T3-3-8222	
4		T0-4-8223	T3-4-8223	
5		T0-5-8369	T3-5-8369	
6		T0-6-8370	T3-6-8370	
7		T0-7-8371	T3-7-8371	
8		T0-8-8372	T3-8-8372	

1		T0-1-15441	T3-1-15441	
2		T0-2-15442	T3-2-15442	
3		T0-3-15443	T3-3-15443	

1		T0-1-34	T3-1-34	
2		T0-2-39	T3-2-39	
3		T0-3-50	T3-3-50	
4		T0-4-90	T3-4-90	

1		T0-1-15541	T3-1-15541	
2		T0-2-15542	T3-2-15542	
3		T0-3-15543	T3-3-15543	

mit Rückzug nach „1“  
with spring return to „1“  
avec retour automatique  
en position «1»

1		T0-1-8295	T3-1-8295	
2		T0-2-8296	T3-2-8296	
3		T0-3-8297	T3-3-8297	

# Umschalter

mit 0-Stellung  
(Gruppenschalter)

Change over switches  
with "OFF" Position  
(Group switch)

Commutateurs de groupe  
avec position zéro  
(Interrupteurs de groupe)

Pole  
Poles  
Pôles

Typ  
Type  
Type

	1	0	2
1	X		
2	X		
3			X
4	X		
5	X		
6			X
7	X		
8	X		
9			X
10	X		
11	X		
12			X
13	X		
14	X		
15			X
16	X		
17	X		
18			X
19	X		
20	X		
21			X
22	X		
23	X		
24			X
25	X		
26	X		
27			X
28	X		
29	X		
30			X
31	X		
32	X		

T0-1-8210

T3-1-8210



FS 684

	1	0	2
1	X		
2	X		
3			X
4	X		
5	X		
6			X
7	X		
8	X		
9			X
10	X		
11	X		
12			X
13	X		
14	X		
15			X
16	X		

T0-1-8218

T3-1-8218



FS 953

	2	0	1
1			X
2	X		
3	X		
4			X
5	X		
6	X		
7			X
8	X		
9	X		
10			X
11	X		
12	X		

T0-1-15421

T3-1-15421



FS 429

	2	0	1
1	X		
2	X		
3			X
4	X		
5	X		
6			X
7	X		
8	X		
9			X
10	X		
11	X		
12			X

T0-1-15180

T3-1-15180



FS 621

	0	1	2
1	X		
2			X
3	X		
4	X		
5			X
6	X		
7	X		
8			X
9	X		
10	X		
11			X
12	X		

T0-2-35

T3-2-35



FS 644

	0	1	2
1	X		
2			X

T0-1-15502

T3-1-15502



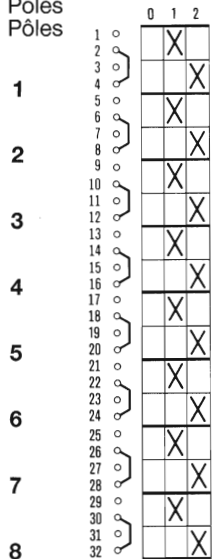
FS 910

Pole  
Poles  
Pôles

Typ  
Type  
Type



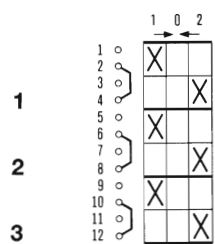
FS 644



mit Rückzug nach „0“  
with spring return to "0"  
avec retour automatique en position «0»

**T0-4-8480**

**T3-4-8480**



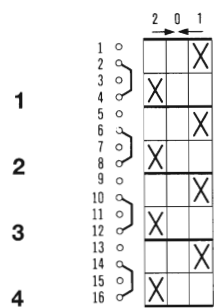
mit Rückzug nach „0“  
with spring return to "0"  
avec retour automatique en position «0»

**T0-1-8214**

**T3-1-8214**



FS 4011



**T0-2-15372**

**T3-2-15372**

**T0-3-15373**

**T3-3-15373**

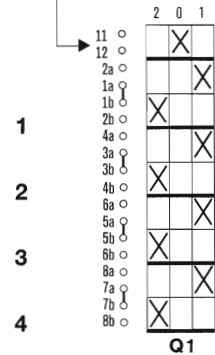
**T0-4-15374**

**T3-4-15374**



FS 458

mit Verriegelung (SOND 29)\*  
with interlocking provision (SOND 29)\*  
avec verrouillage (SOND 29)\*



**T0-3-38**

**T3-3-38**

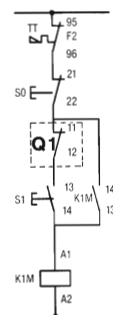
**T0-4-48**

**T3-4-48**

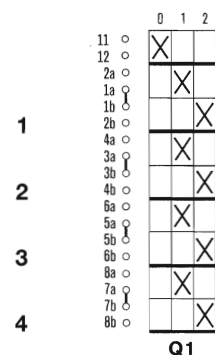
**T0-5-89**

**T3-5-89**

**SOND 29**



FS 621



**T0-3-36**

**T3-3-36**

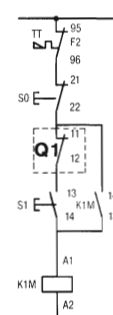
**T0-4-47**

**T3-4-47**

**T0-5-87**

**T3-5-87**

**SOND 29**

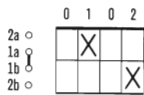


FS 644

**Pole**  
Poles  
Pôles

Rundschaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

1

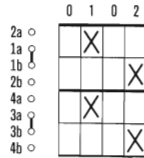


**T0-1-15043**  
**T3-1-15043**



FS 928

2

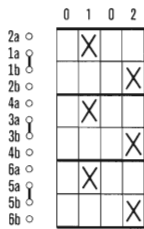


**T0-2-15044**  
**T3-2-15044**



FS 928

3

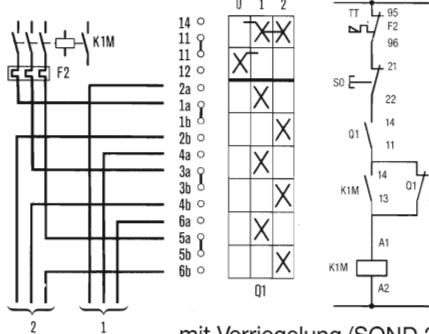


**T0-3-15045**  
**T3-3-15045**



FS 928

3



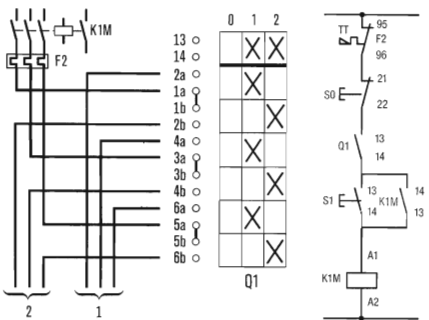
**T0-4-46**  
**T3-4-46**



FS 644

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

3



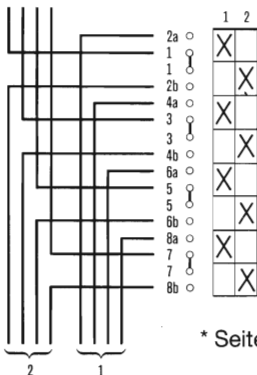
**T0-4-135**  
**T3-4-135**



FS 644

mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*

4



**T0-4-15185**  
**T3-4-15185**

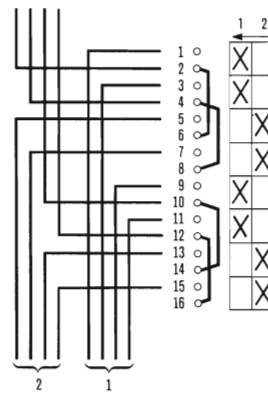


FS 601

\* Seite/Page 3/66 & AWA

**Pole**  
Poles  
Pôles

4



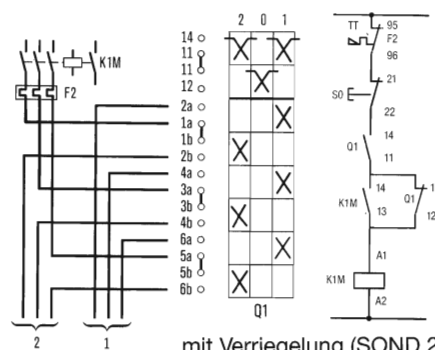
**T0-4-8298**  
**T3-4-8298**



FS 496

mit Rückzug nach „1“  
with spring return to „1“  
avec retour automatique en position «1»

3



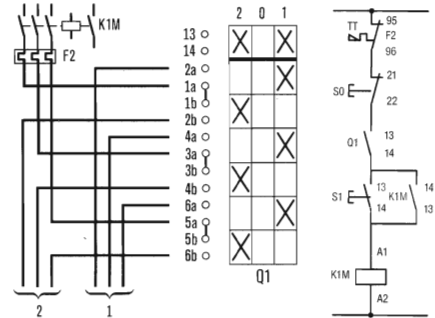
**T0-4-49**  
**T3-4-49**



FS 621

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

3



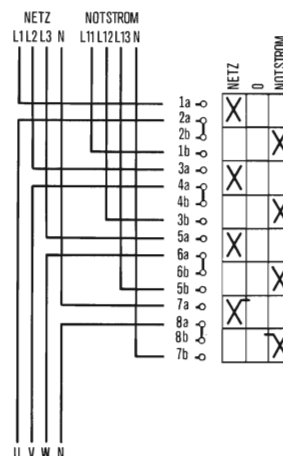
**T0-4-106**  
**T3-4-106**



FS 621

mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*

3



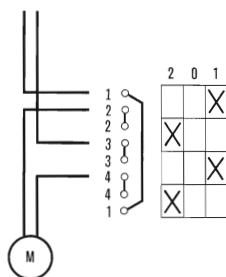
**T0-4-41**  
**T3-4-41**



FS 161629

Pole  
Poles  
Pôles

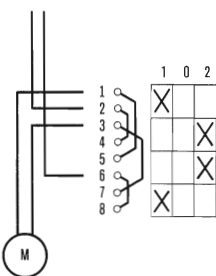
2



T0-2-18  
T3-2-18



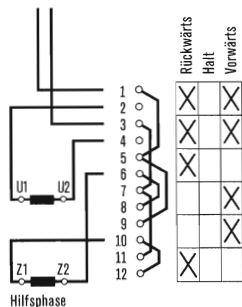
FS 621



T0-2-8400  
T3-2-8400



FS 684



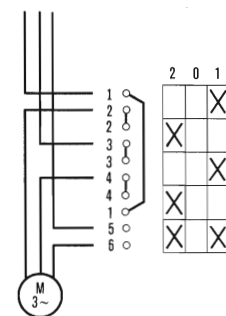
T0-3-8622  
T3-3-8622



FS 160595

mit dauernd eingeschalteter **Hilfsphase**  
with permanently connected **auxiliary phase**  
avec **phase auxiliaire** fermée en permanence

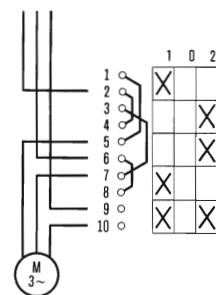
3



T0-3-2  
T3-3-2



FS 621

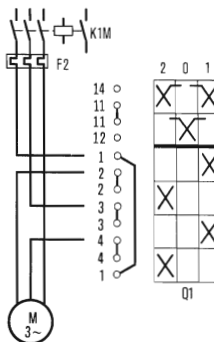


T0-3-8401  
T3-3-8401



FS 684

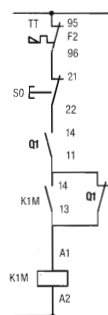
Pole  
Poles  
Pôles



T0-3-15190  
T3-3-15190



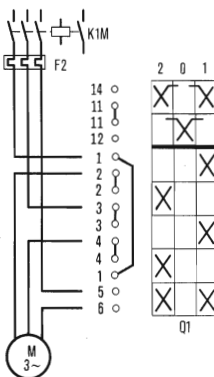
FS 913



mit Verriegelung (sond 27)\*  
(3. Phase nur über Schütz)

with interlocking provision (sond 27)\*  
3rd phase via contactor only

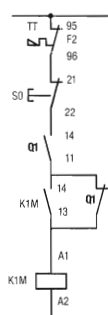
avec verrouillage (sond 27)\*  
3e phase par contacteur seulement



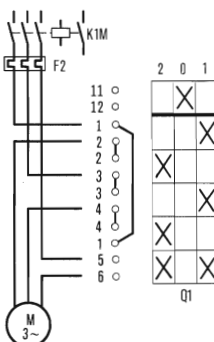
T0-4-131  
T3-4-131



FS 621



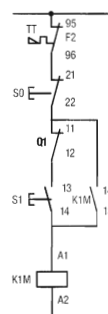
mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*



T0-3-20  
T3-3-20



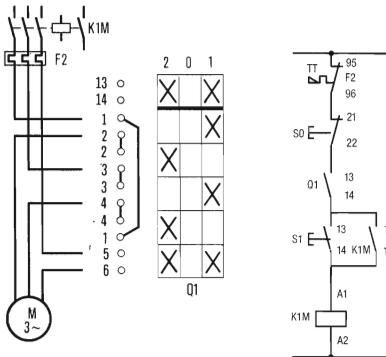
FS 621



mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*

Pole  
Poles  
Pôles

3

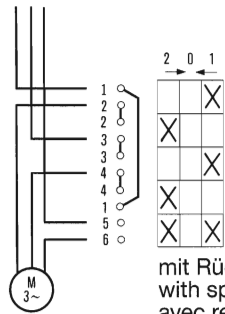


**T0-3-123**  
**T3-3-123**



FS 621

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

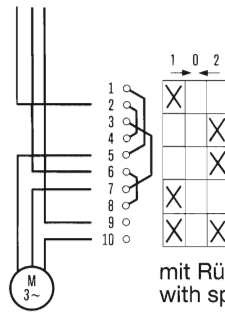


**T0-3-190**  
**T3-3-190**

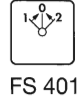


FS 458

mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»

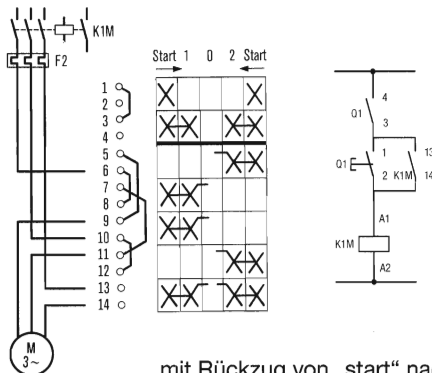


**T0-3-8228**  
**T3-3-8228**



FS 4011

mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»



**T0-4-8402**  
**T3-4-8402**

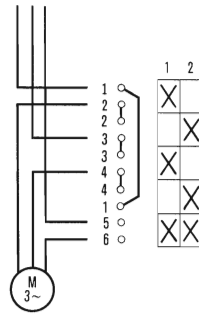


FS 140273

mit Rückzug von „start“ nach „1“ und „2“  
with spring return from start to „1“ and „2“  
avec retour automatique en position  
«1» et «2»

Pole  
Poles  
Pôles

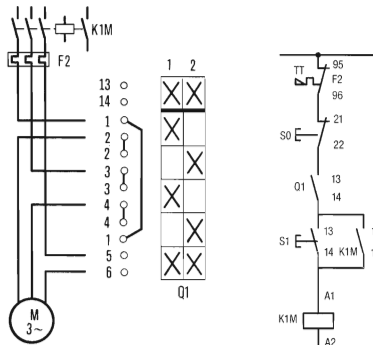
3



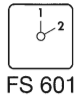
**T0-3-115**  
**T3-3-115**



FS 943

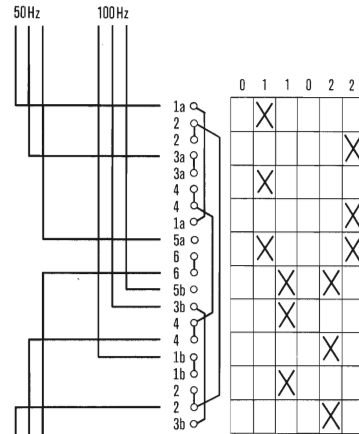


**T0-3-21**  
**T3-3-21**



FS 601

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*



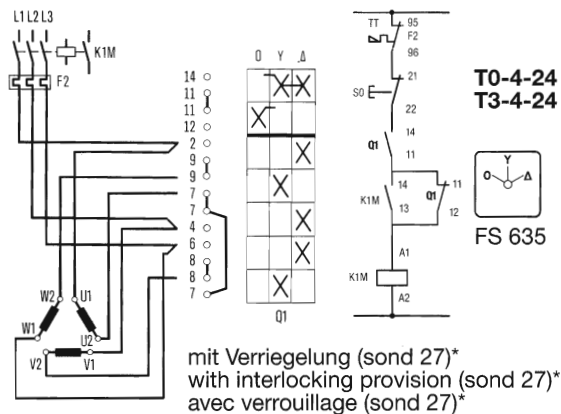
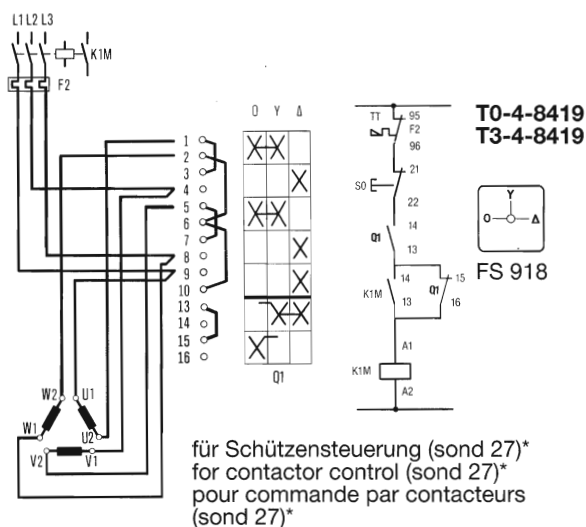
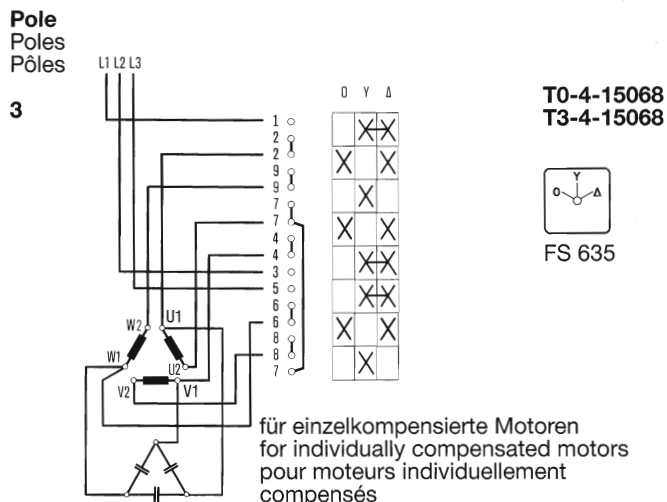
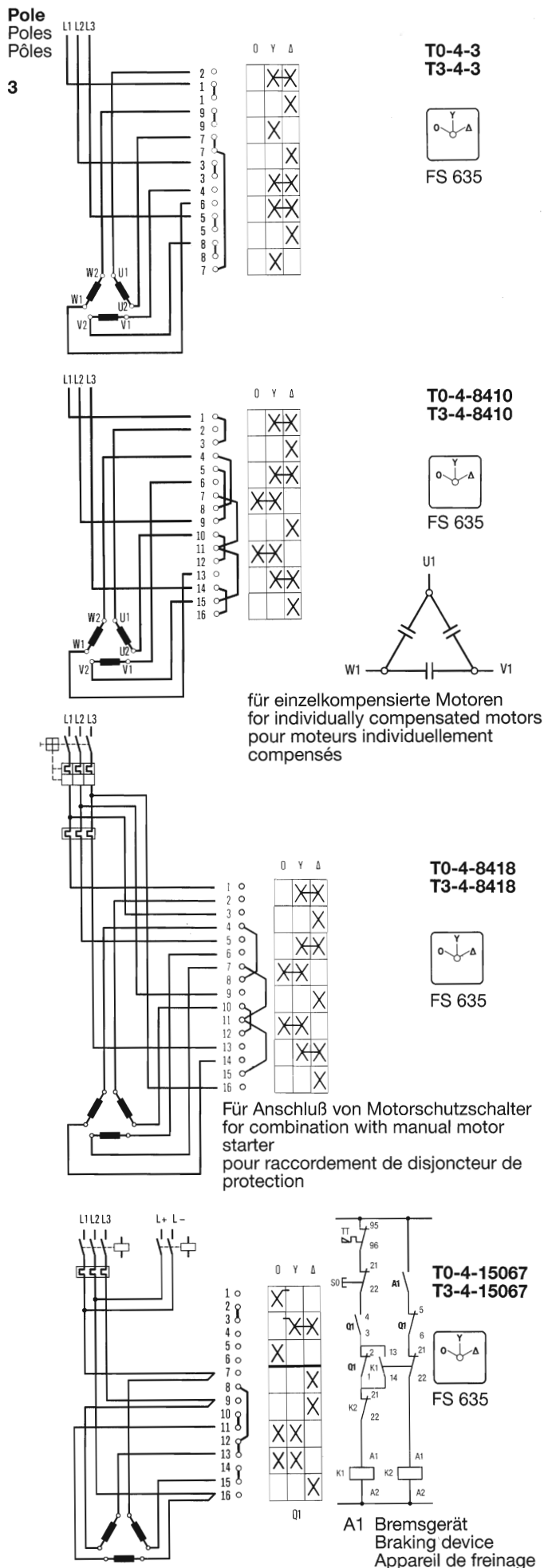
**T0-5-15643**  
**T3-5-15643**



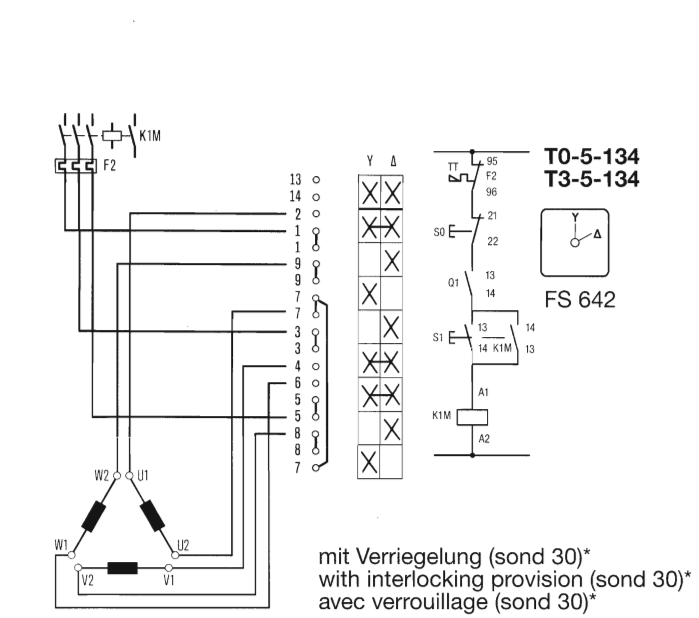
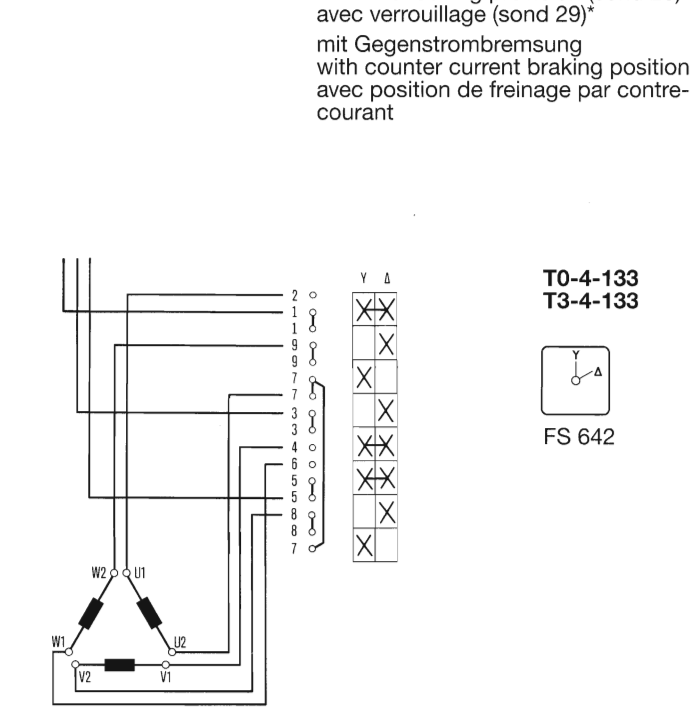
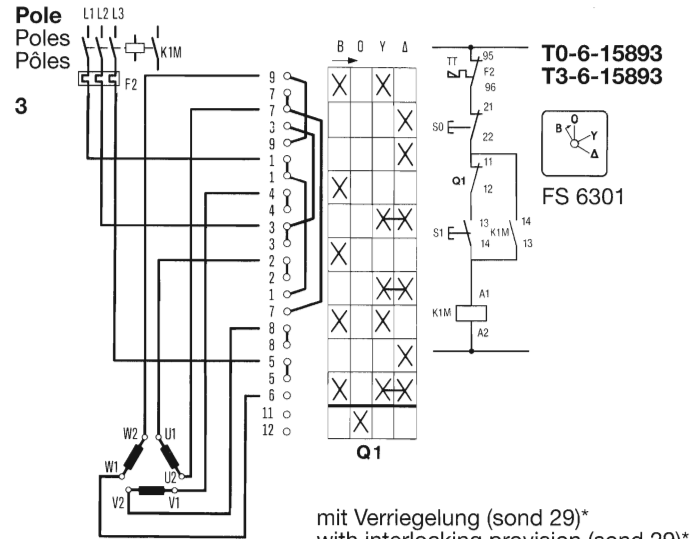
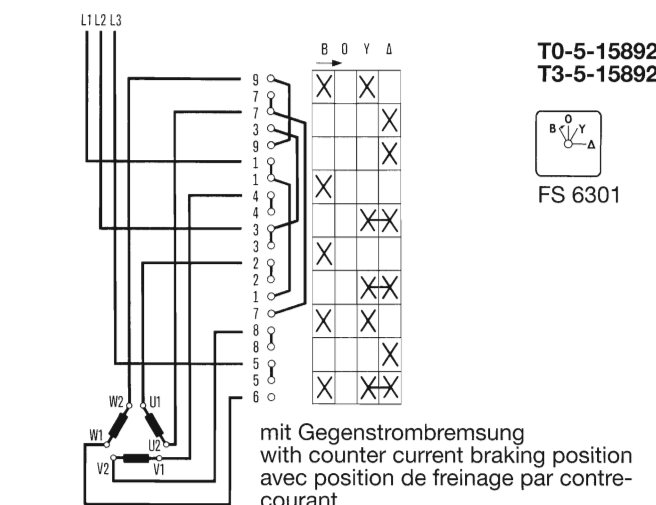
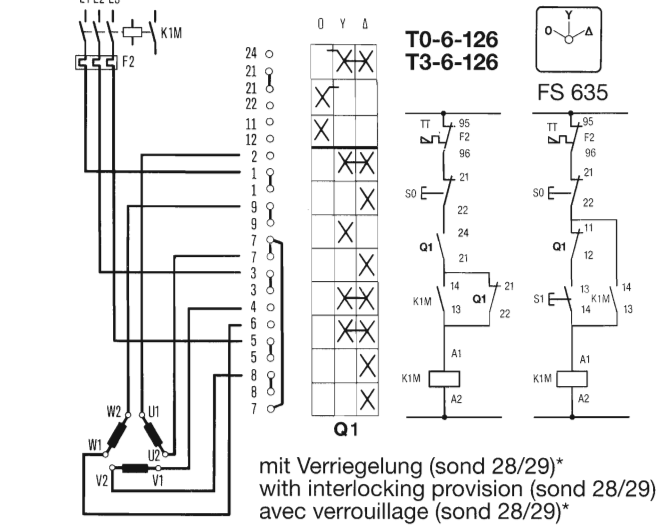
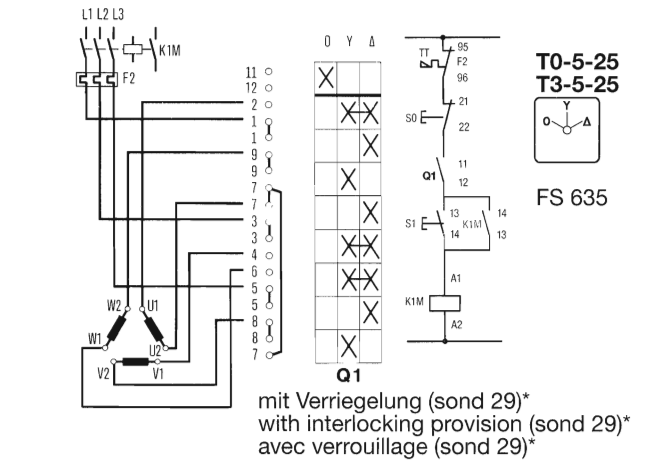
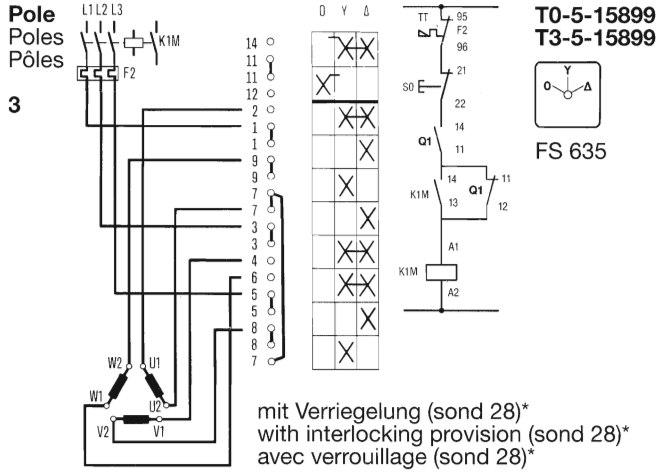
FS 161678

Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens



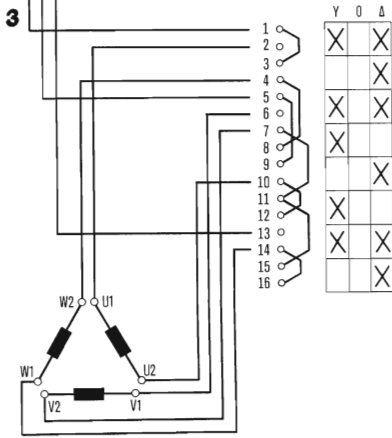


\* Seite/Page 3/66 & AWA

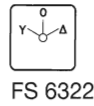


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**Pole**  
Poles  
Pôles

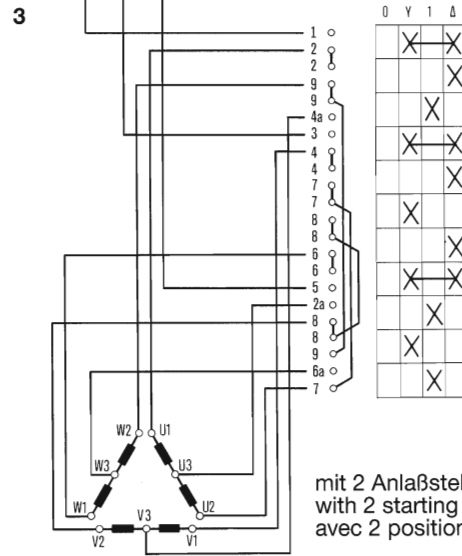


**T0-4-8417**  
**T3-4-8417**



	Y	0	Δ
1	X	X	
2			X
3			X
4			X
5	X	X	
6			X
7	X	X	
8			X
9			X
10			X
11	X	X	
12			X
13	X	X	
14			X
15	X	X	
16			X

**Pole**  
Poles  
Pôles

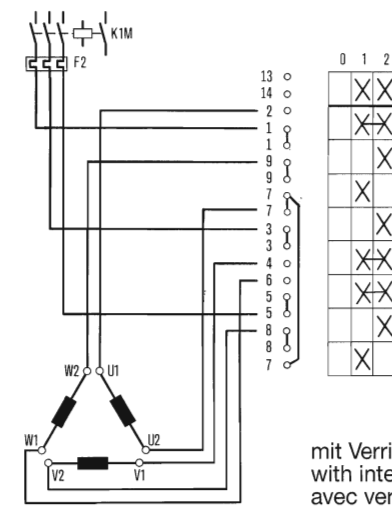
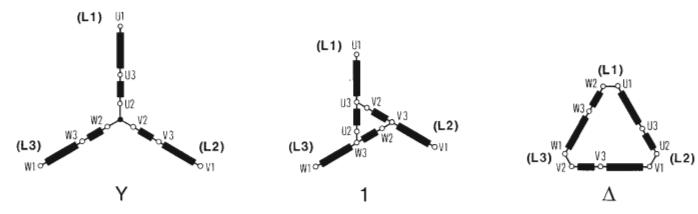


**T0-6-15083**  
**T3-6-15083**

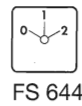


	0	Y	1	Δ
1		X	X	
2				X
3				X
4				X
5				X
6				X
7				X
8				X
9				X
10				X
11				X
12				X
13				X
14				X
15				X
16				X

mit 2 Anlaßstellungen  
with 2 starting positions  
avec 2 positions de démarrage



**T0-5-15900**  
**T3-5-15900**

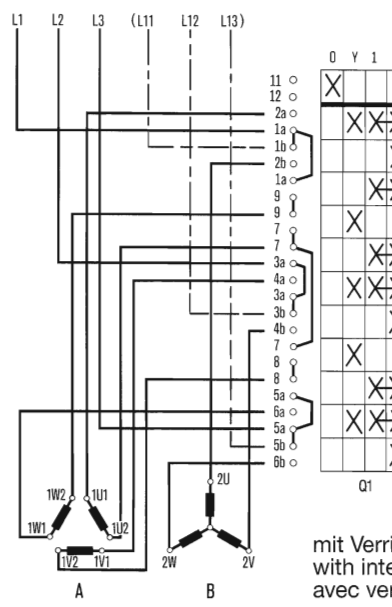


	0	1	2
13		X	X
14		X	X
1		X	X
2		X	X
9		X	X
7		X	X
3		X	X
4		X	X
6		X	X
8		X	X
5		X	X
8		X	X
7		X	X

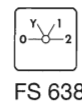
mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

**Motor A:**  
Stern-Dreieck-Anlauf    Star-delta starting    Démarrage étoile-triangle

**Motor B:**  
Direkt-Anlauf    Direct-on-line starting    Démarrage direct

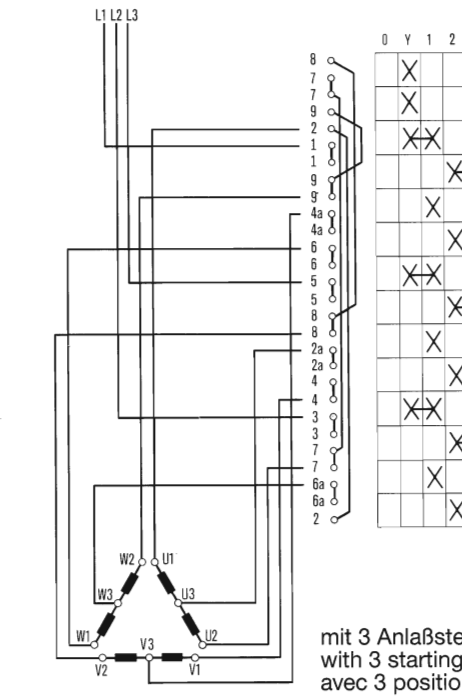


**T0-6-15080**  
**T3-6-15080**

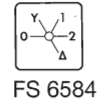


	0	Y	1	2
11		X	X	X
12		X	X	X
13		X	X	X
14		X	X	X
1b		X	X	X
2b		X	X	X
1a		X	X	X
2a		X	X	X
9		X	X	X
7		X	X	X
3a		X	X	X
4a		X	X	X
3a		X	X	X
4b		X	X	X
7		X	X	X
8		X	X	X
5a		X	X	X
6a		X	X	X
5a		X	X	X
5b		X	X	X
6b		X	X	X

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*

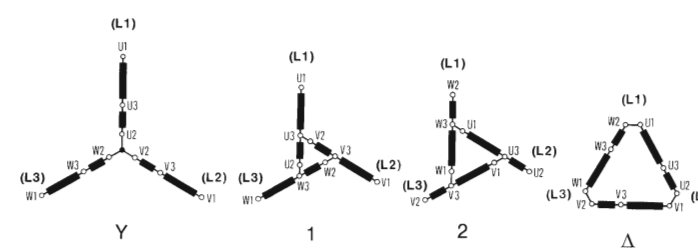


**T0-8-15092**  
**T3-8-15092**



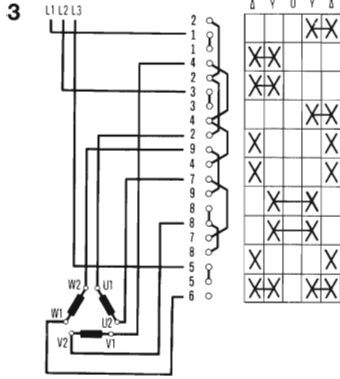
	0	Y	1	2	Δ
8		X	X	X	
7		X	X	X	
9		X	X	X	
2		X	X	X	
1		X	X	X	
9		X	X	X	
4a		X	X	X	
6		X	X	X	
5		X	X	X	
8		X	X	X	
2a		X	X	X	
4		X	X	X	
3		X	X	X	
7		X	X	X	
6a		X	X	X	
2		X	X	X	

mit 3 Anlaßstellungen  
with 3 starting positions  
avec 3 positions de démarrage

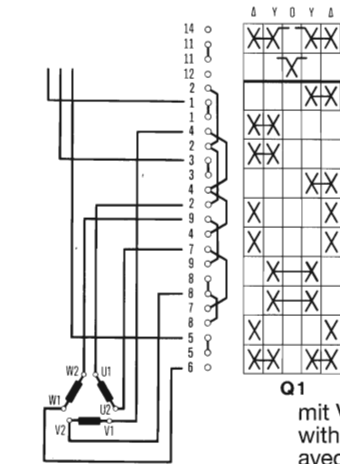


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Pole  
Poles  
Pôles



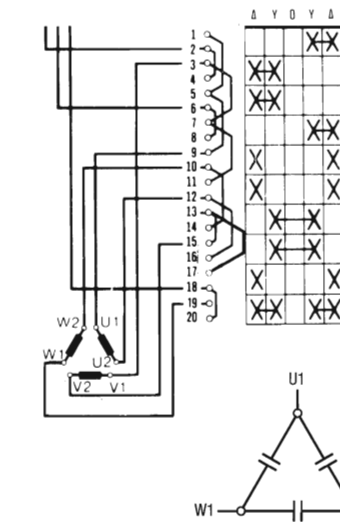
**T0-5-15896  
T3-5-15896**



**Q1**

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

**T0-6-15897  
T3-6-15897**

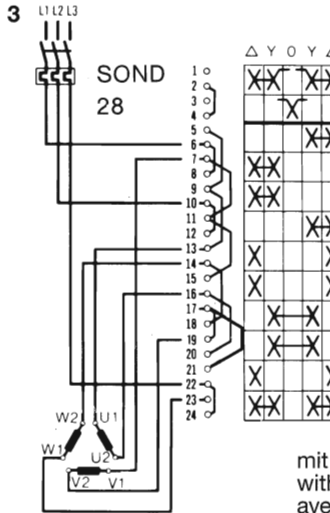


**T0-5-15876  
T3-5-15876**



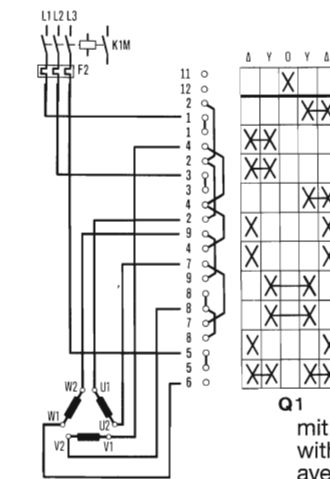
für einzelkompensierte Motoren  
for individually compensated motors  
pour moteurs individuellement  
compensés

Pole  
Poles  
Pôles



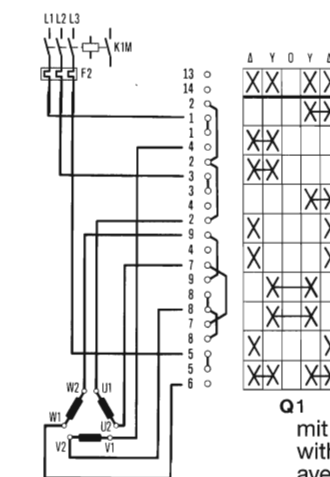
SOND  
28

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*



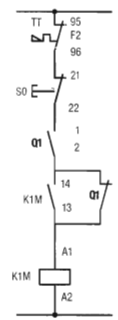
**Q1**

mit Verriegelung (SOND 29)\*  
with interlocking provision (SOND 29)\*  
avec verrouillage (SOND 29)\*

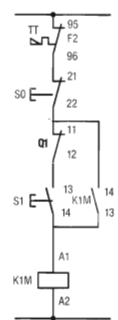


**Q1**

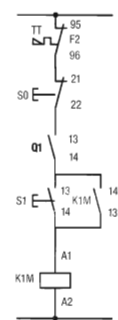
mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*



**T0-6-15877  
T3-6-15877**



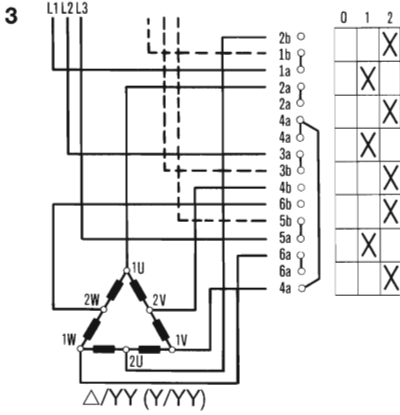
**T0-6-15898  
T3-6-15898**



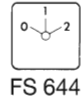
**T0-6-15901  
T3-6-15901**



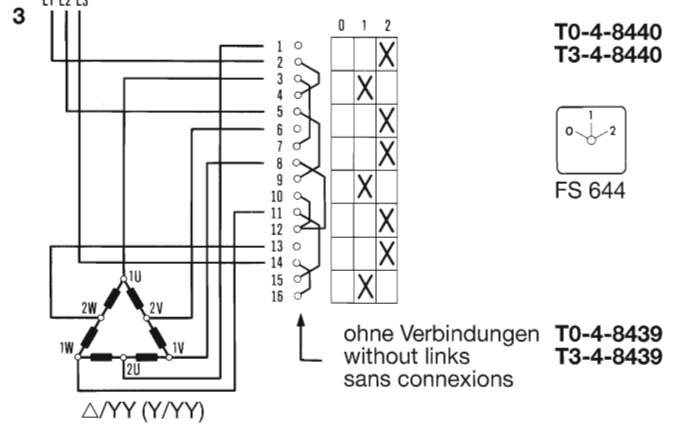
Pole  
Poles  
Pôles



**T0-4-4  
T3-4-4**



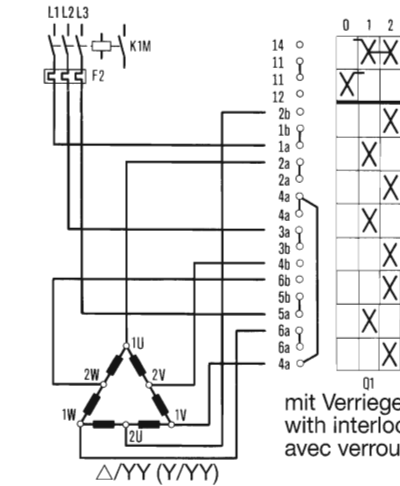
Pole  
Poles  
Pôles



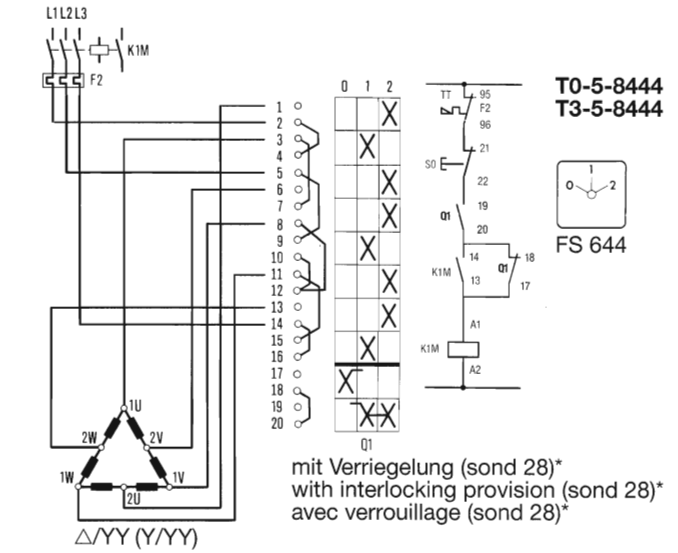
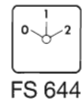
**T0-4-8440  
T3-4-8440**



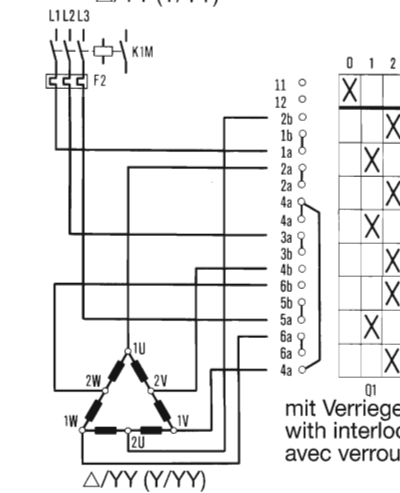
**T0-4-8439  
T3-4-8439**



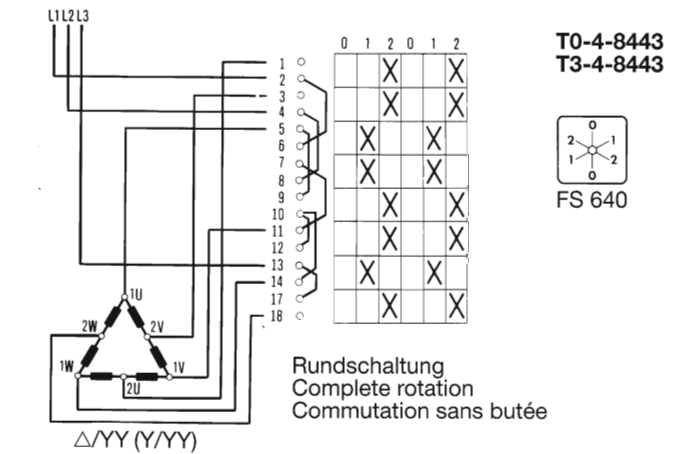
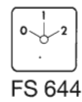
**T0-5-29  
T3-5-29**



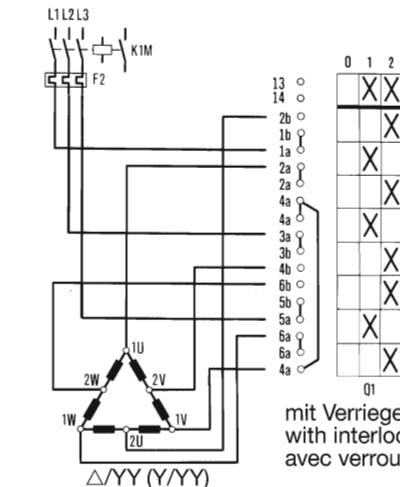
**T0-5-8444  
T3-5-8444**



**T0-5-30  
T3-5-30**



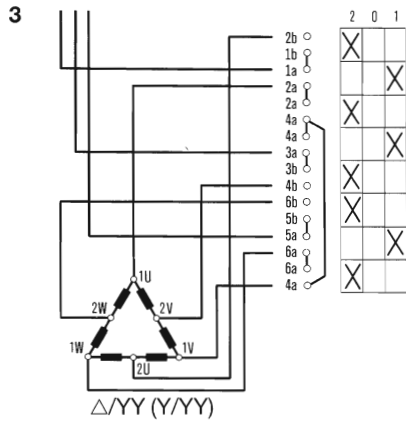
**T0-4-8443  
T3-4-8443**



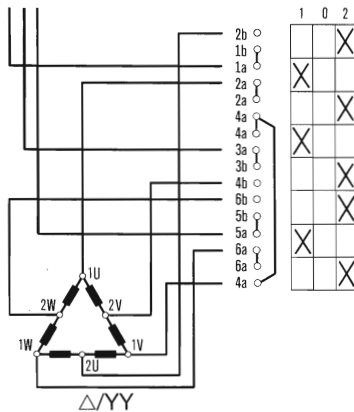
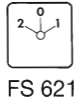
**T0-5-31  
T3-5-31**



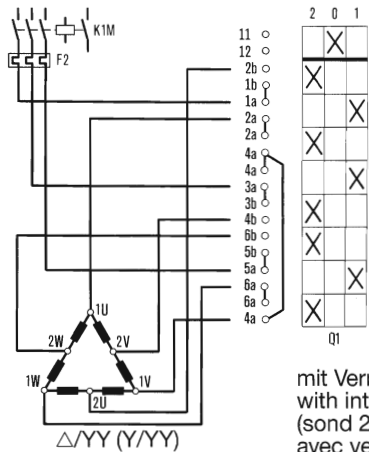
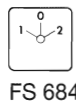
Pole  
Poles  
Pôles



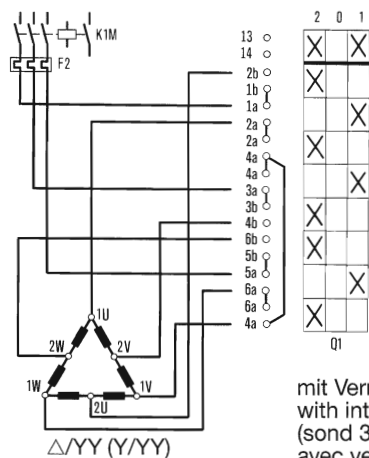
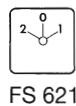
**T0-4-5**  
**T3-4-5**



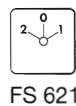
**T0-4-65**  
**T3-4-65**



**T0-5-33**  
**T3-5-33**



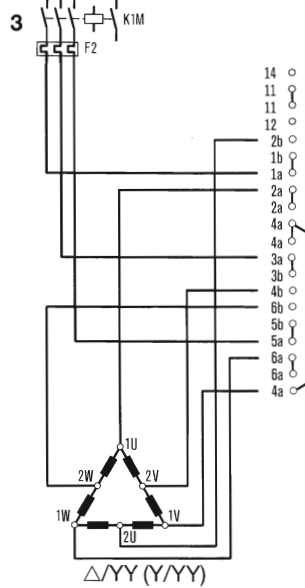
**T0-5-124**  
**T3-5-124**



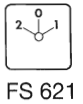
mit Verriegelung (sond 30)\*  
with interlocking provision  
(sond 30)\*  
avec verrouillage (sond 30)\*

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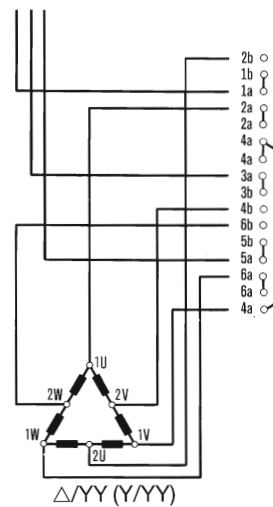
Pole  
Poles  
Pôles



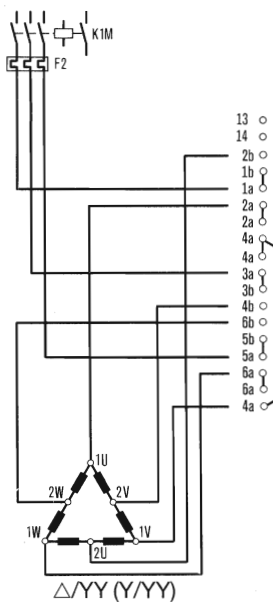
**T0-5-32**  
**T3-5-32**



mit Verriegelung (sond 28)\*  
with interlocking provision  
(sond 28)\*  
avec verrouillage (sond 28)\*



**T0-4-11**  
**T3-4-11**



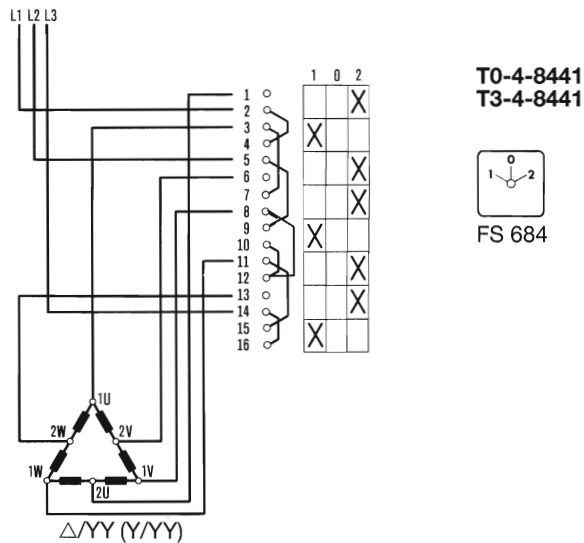
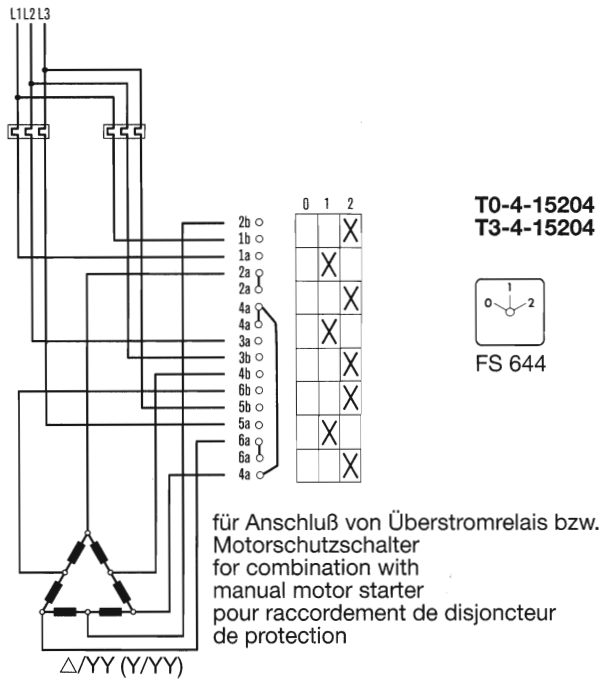
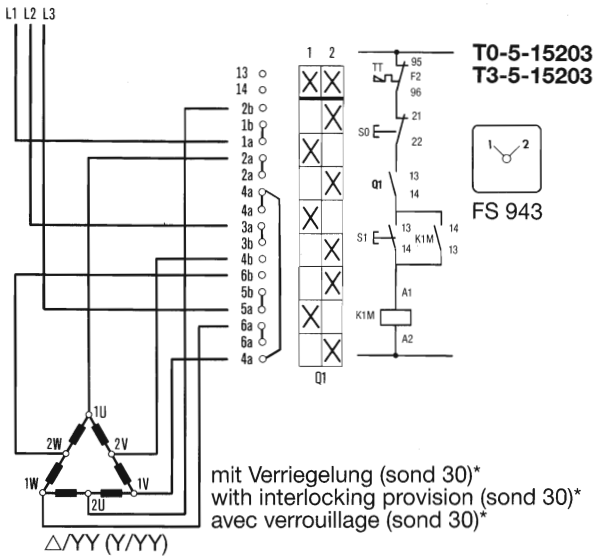
**T0-5-119**  
**T3-5-119**



mit Verriegelung (sond 30)\*  
with interlocking provision  
(sond 30)\*  
avec verrouillage (sond 30)\*

Pole  
 Poles  
 Pôles

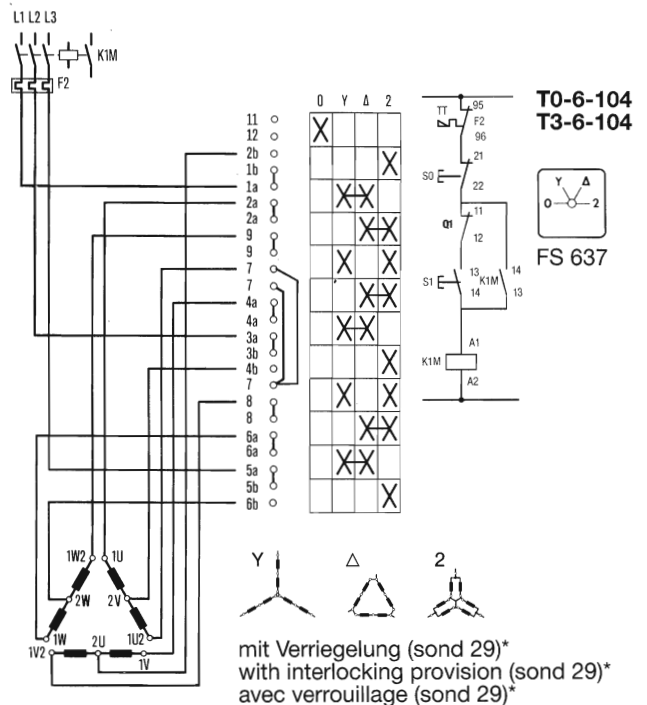
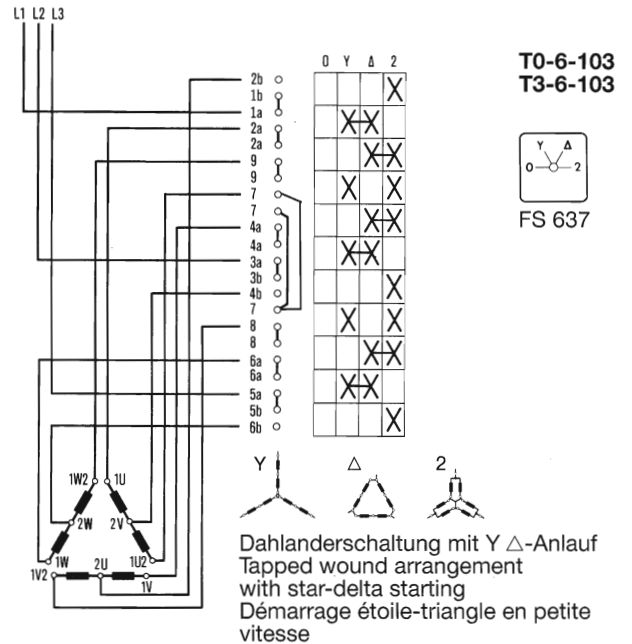
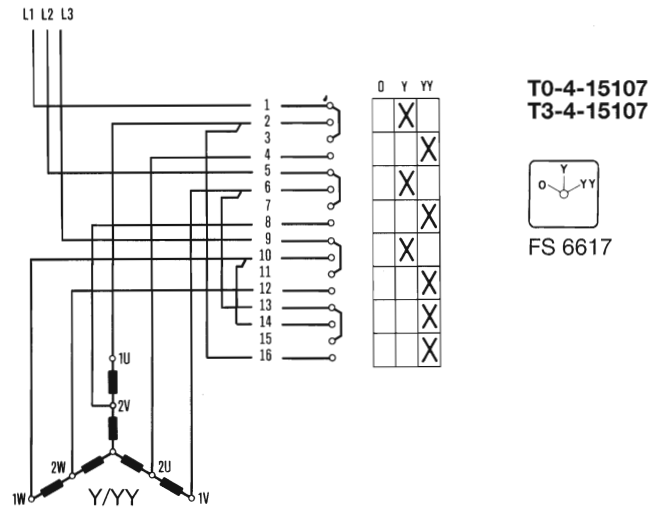
3



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Pole  
 Poles  
 Pôles

3



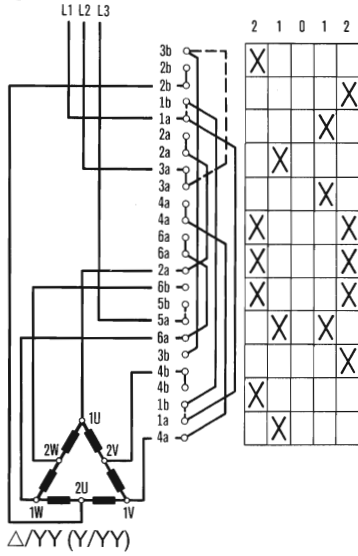
# Wende-Polumschalter

2 Drehzahlen, Dahlanderschaltung

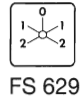
Two-speed reversing switches, with tapped windings  
Inverseurs-commutateurs de pôles, 2 vitesses, couplage Dahlander

Pole  
Poles  
Pôles

3

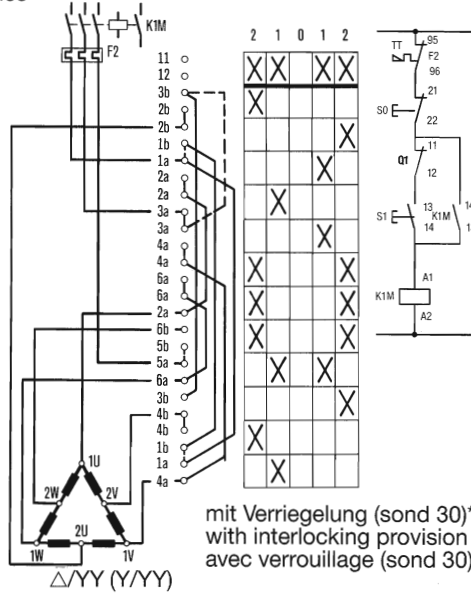


**T0-6-66**  
**T3-6-66**

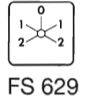


Pole  
Poles  
Pôles

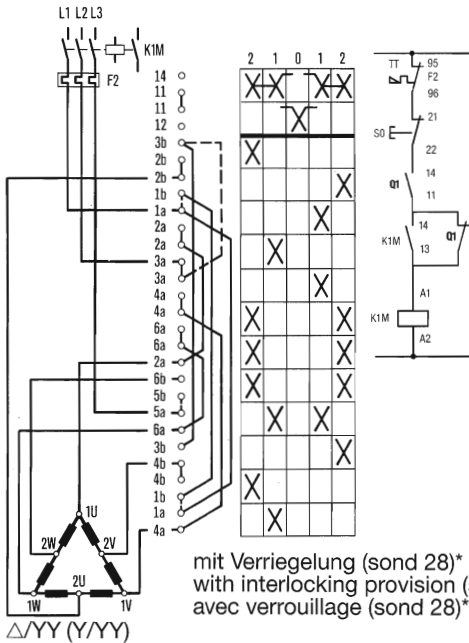
3



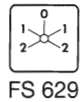
**T0-7-69**  
**T3-7-69**



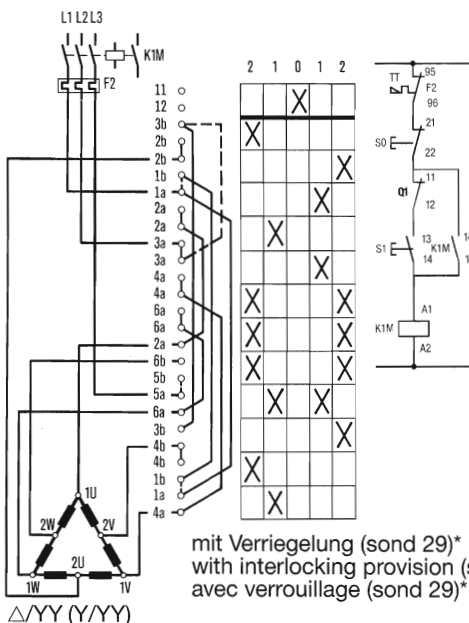
mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*



**T0-7-67**  
**T3-7-67**



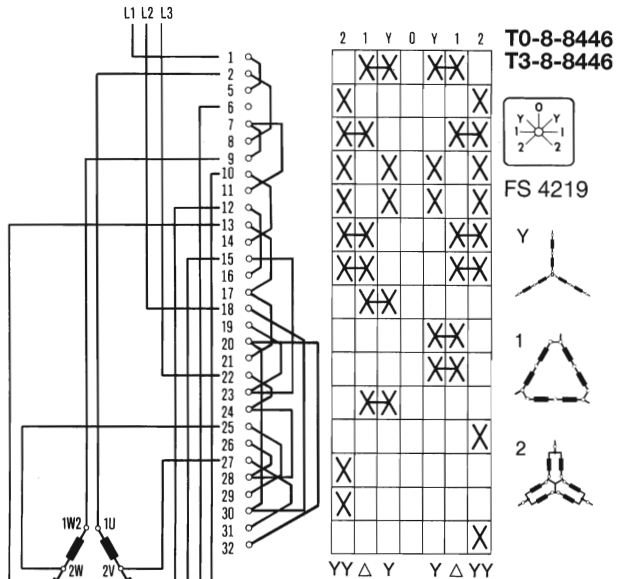
mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*



**T0-7-68**  
**T3-7-68**



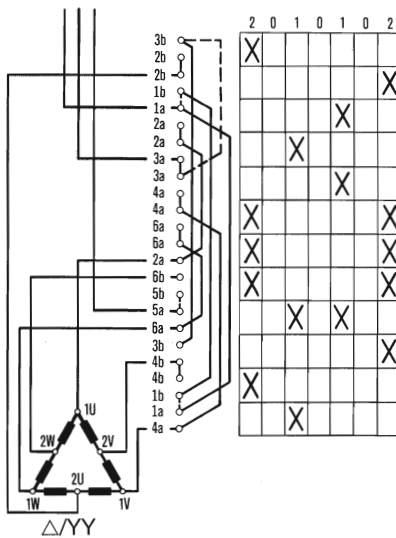
mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T0-8-8446**  
**T3-8-8446**



Dahlanderschaltung mit Y Δ-Anlauf  
Tapped wound arrangement with  
star delta starting  
Démarrage étoile-triangle en petite  
vitesse



**T0-6-15105**  
**T3-6-15105**

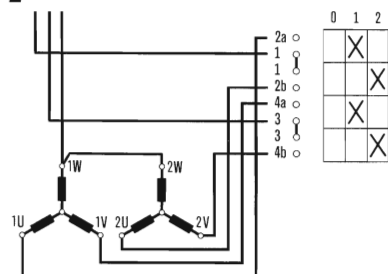


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**Pole**  
 Poles  
 Pôles

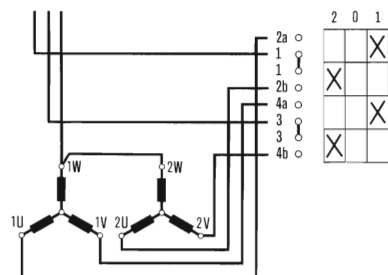
2



**T0-2-35**  
**T3-2-35**



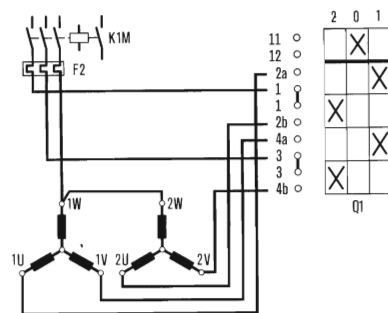
FS 644



**T0-2-37**  
**T3-2-37**



FS 621

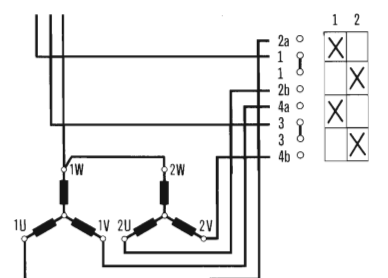


**T0-3-38**  
**T3-3-38**



FS 621

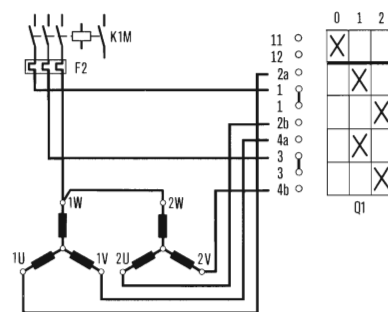
mit Verriegelung (sond 29)\*  
 with interlocking provision (sond 29)\*  
 avec verrouillage (sond 29)\*



**T0-2-39**  
**T3-2-39**



FS 943



**T0-3-36**  
**T3-3-36**

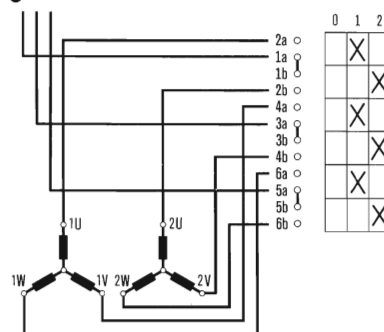


FS 644

mit Verriegelung (sond 29)\*  
 with interlocking provision (sond 29)\*  
 avec verrouillage (sond 29)\*

**Pole**  
 Poles  
 Pôles

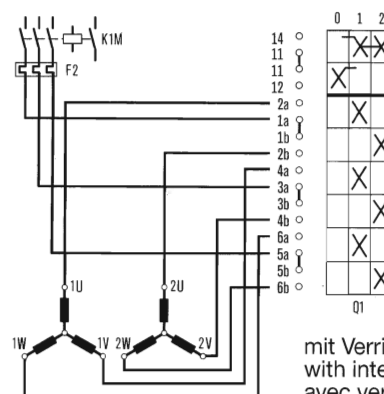
3



**T0-3-6**  
**T3-3-6**



FS 644

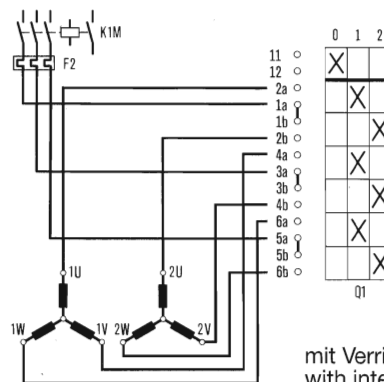


**T0-4-46**  
**T3-4-46**



FS 644

mit Verriegelung (sond 28)\*  
 with interlocking provision (sond 28)\*  
 avec verrouillage (sond 28)\*

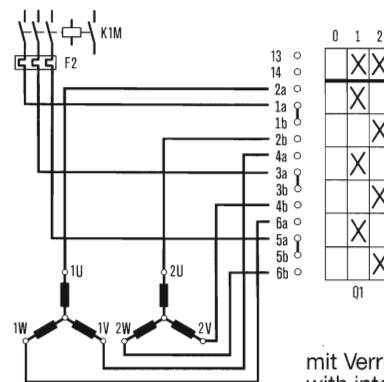


**T0-4-47**  
**T3-4-47**



FS 644

mit Verriegelung (sond 29)\*  
 with interlocking provision (sond 29)\*  
 avec verrouillage (sond 29)\*



**T0-4-135**  
**T3-4-135**



FS 644

mit Verriegelung (sond 30)\*  
 with interlocking provision (sond 30)\*  
 avec verrouillage (sond 30)\*

# Polumschalter

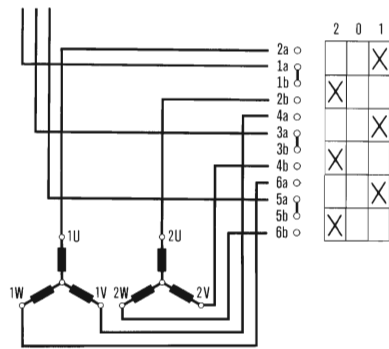
2 Drehzahlen, 2 getrennten Wicklungen

Two-speed switches, two separate windings

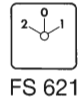
Commutateurs de pôles, 2 vitesses, 2 enroulements séparés

Pole  
Poles  
Pôles

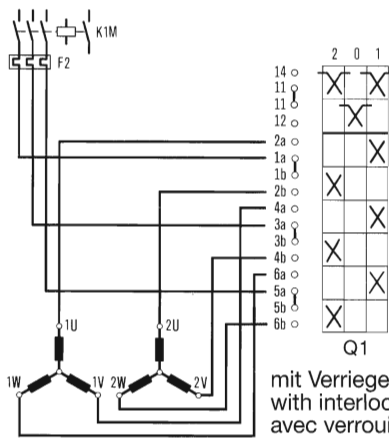
3



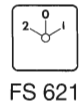
**T0-3-7**  
**T3-3-7**



FS 621

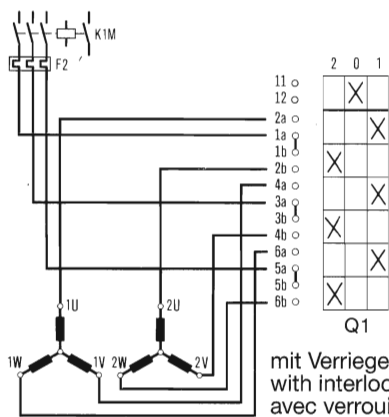


**T0-4-49**  
**T3-4-49**

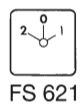


FS 621

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*

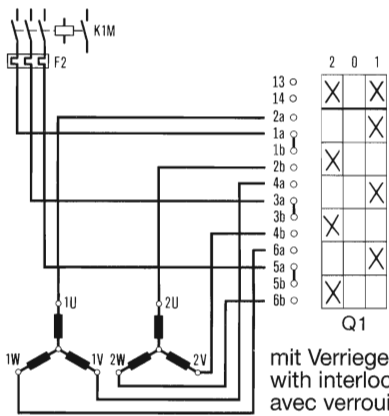


**T0-4-48**  
**T3-4-48**

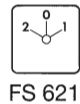


FS 621

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T0-4-106**  
**T3-4-106**

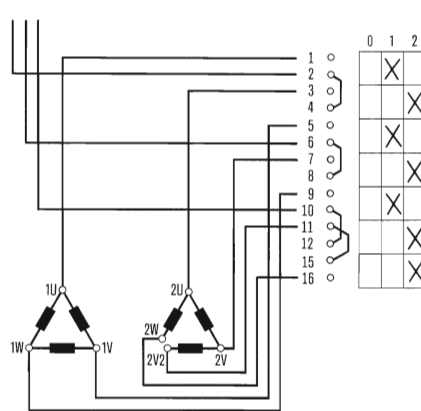


FS 621

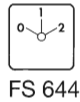
mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

Pole  
Poles  
Pôles

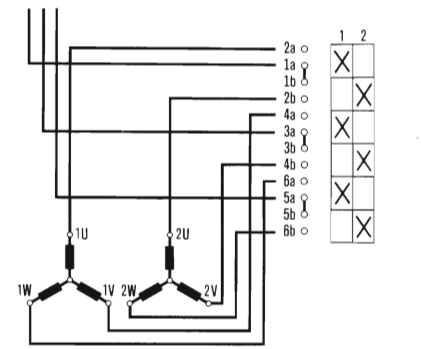
3



**T0-4-8450**  
**T3-4-8450**



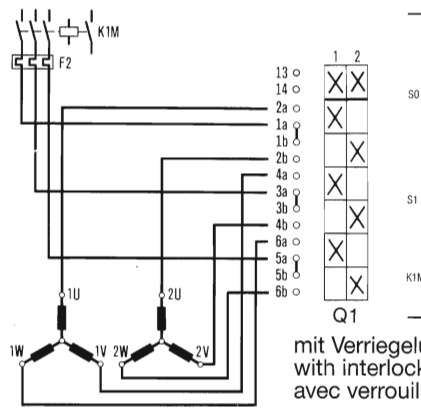
FS 644



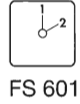
**T0-3-50**  
**T3-3-50**



FS 943

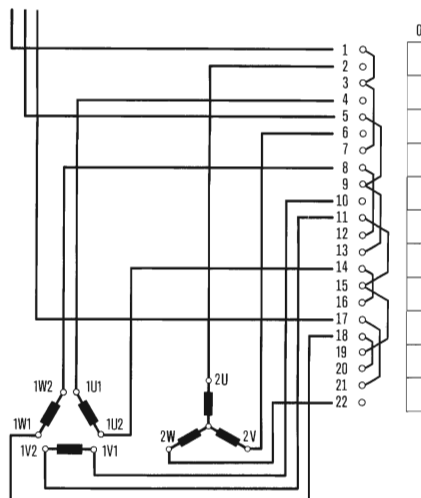


**T0-4-45**  
**T3-4-45**

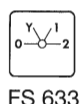


FS 601

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

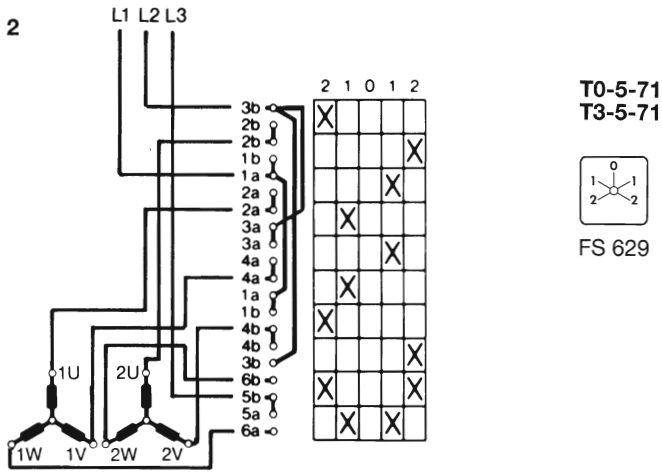


**T0-6-8449**  
**T3-6-8449**

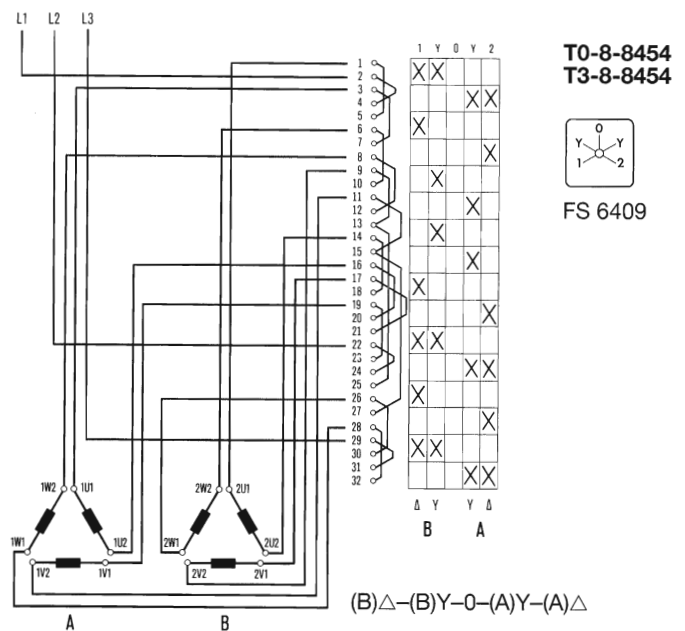
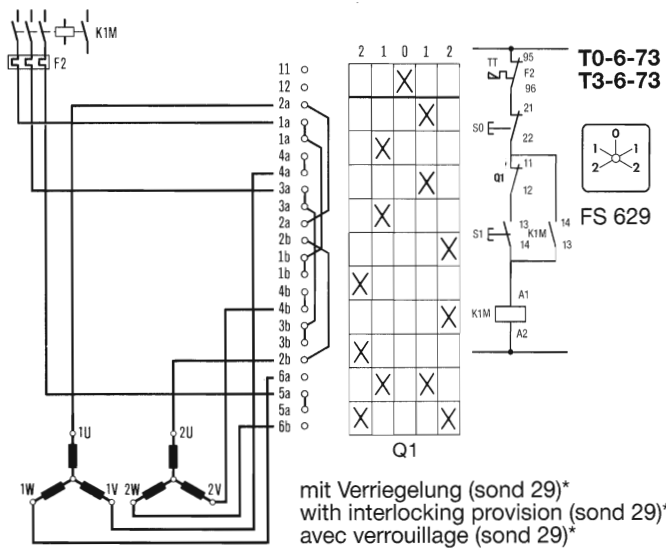
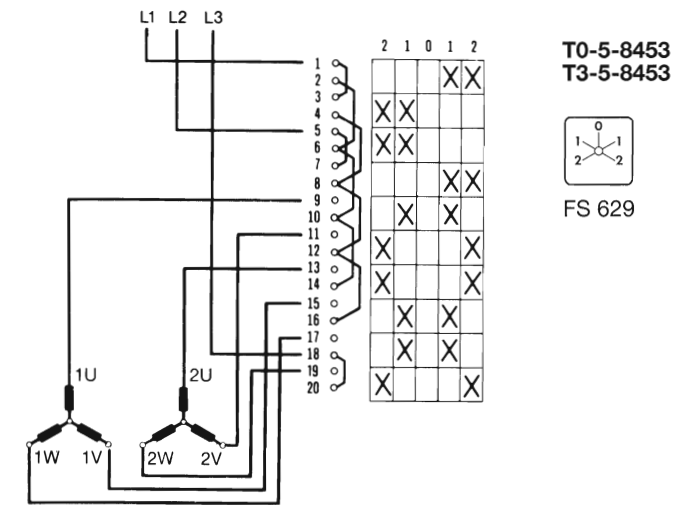
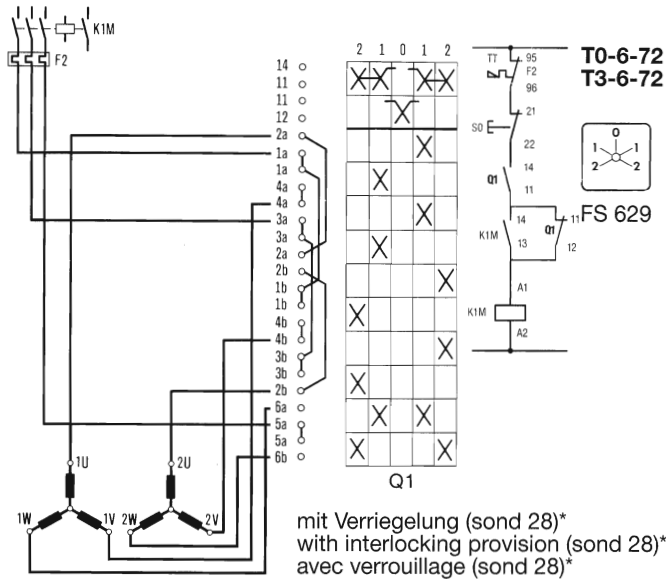
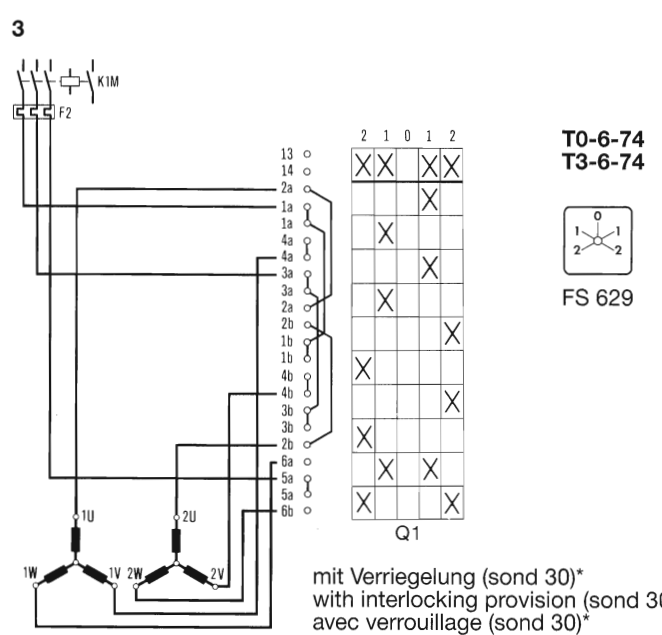


FS 6338

Pole  
Poles  
Pôles



Pole  
Poles  
Pôles



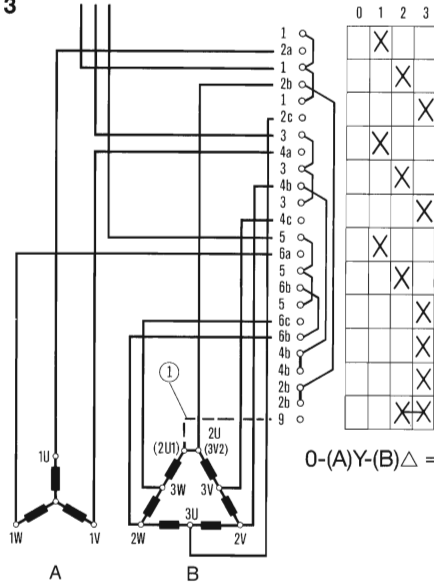
# Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Einfache Wicklung bei Drehzahl I

Three-speed switches, two separate windings/Single winding at speed I  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/enroulement simple en vitesse I

Pole  
Poles  
Pôles

3

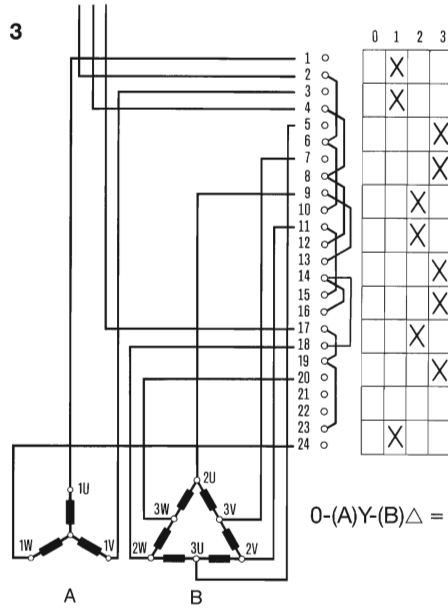


T0-6-154  
T3-6-154

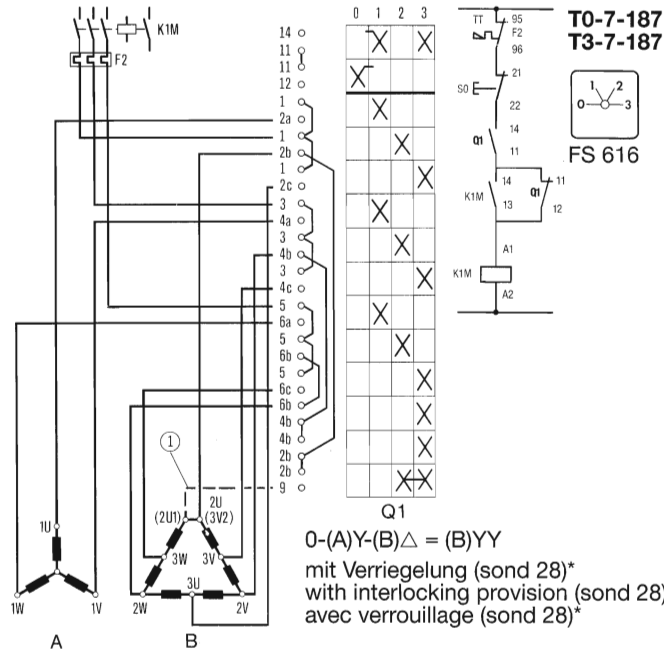


Pole  
Poles  
Pôles

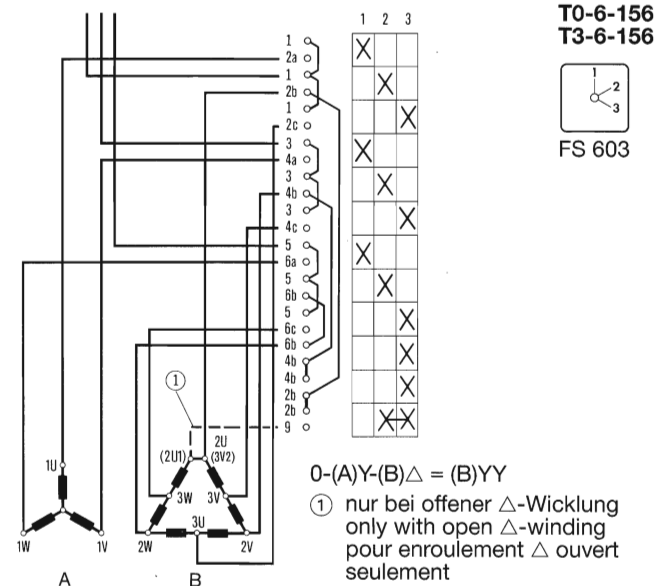
3



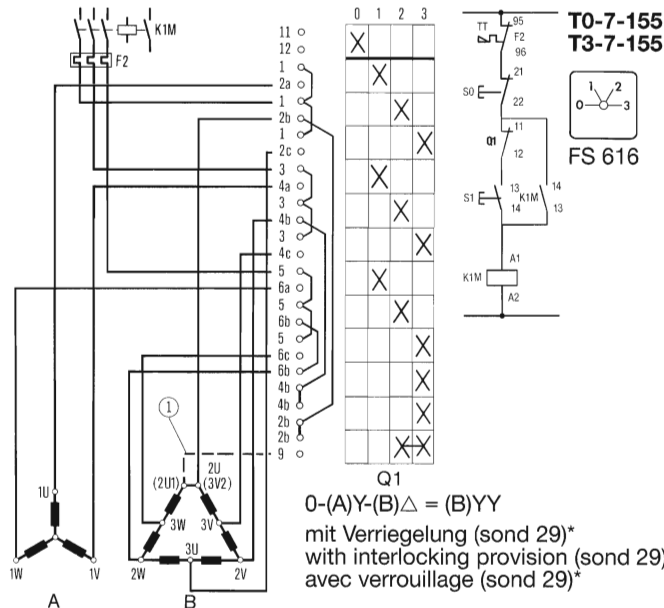
T0-6-8455  
T3-6-8455



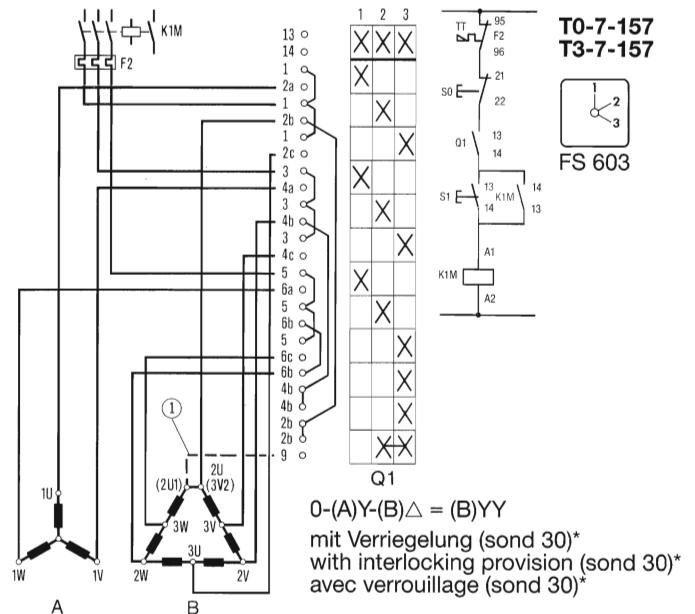
T0-7-187  
T3-7-187



T0-6-156  
T3-6-156



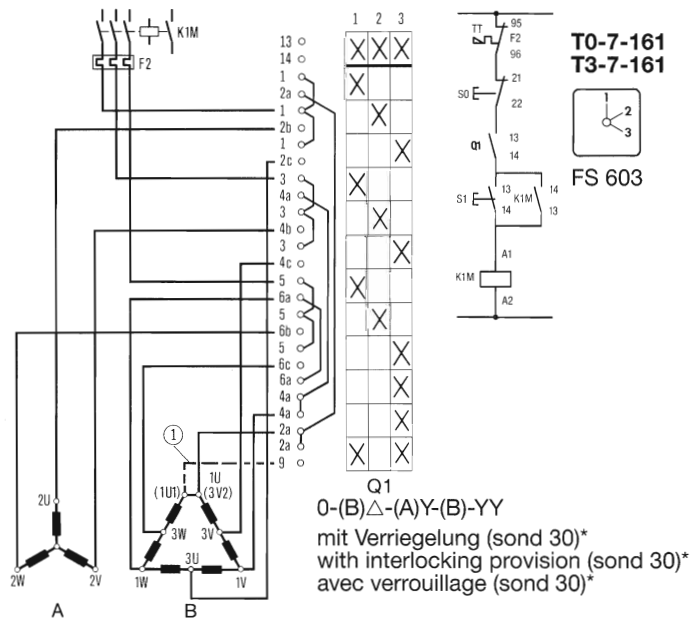
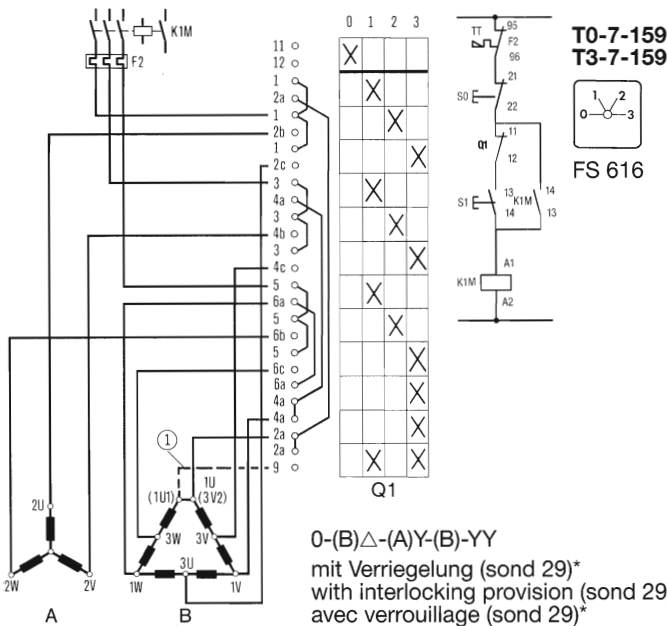
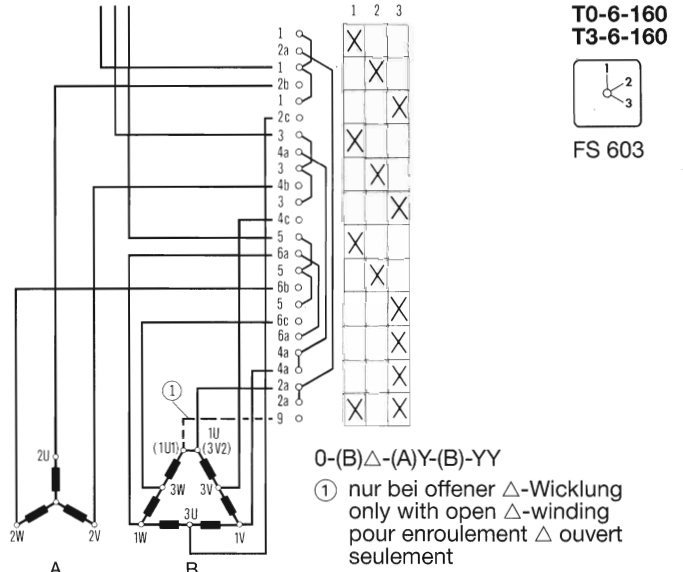
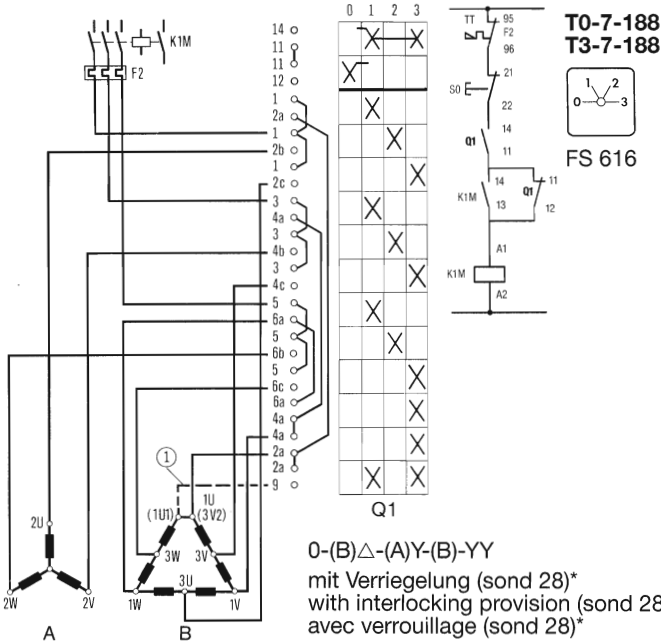
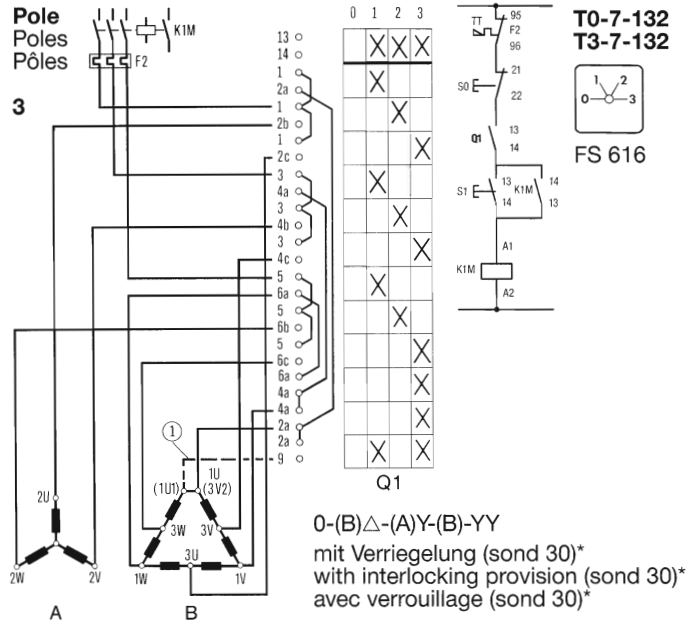
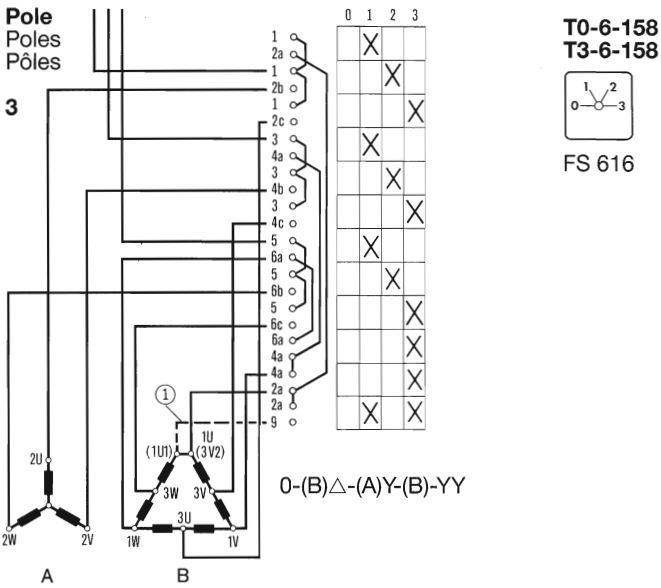
T0-7-155  
T3-7-155



T0-7-157  
T3-7-157



\* Seite/Page 3/66 & AWA

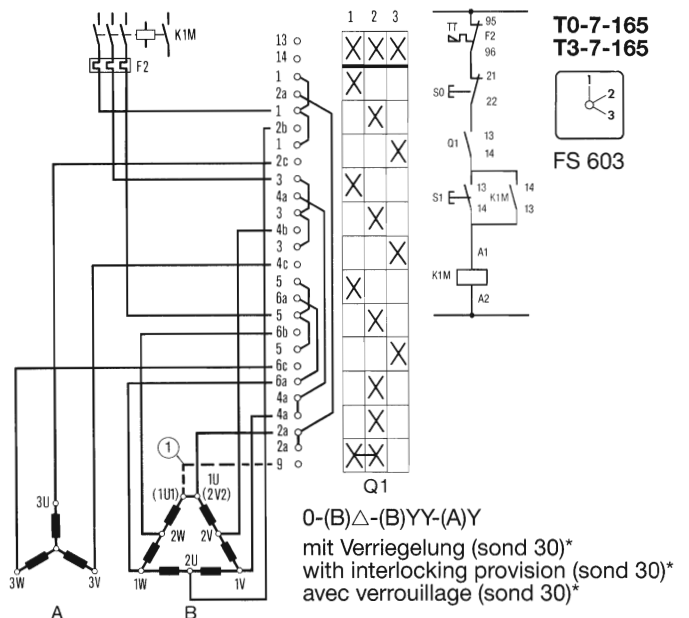
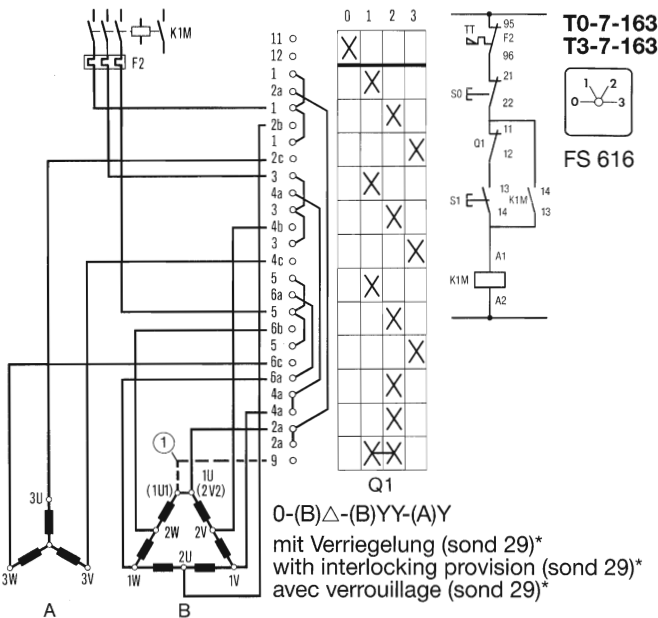
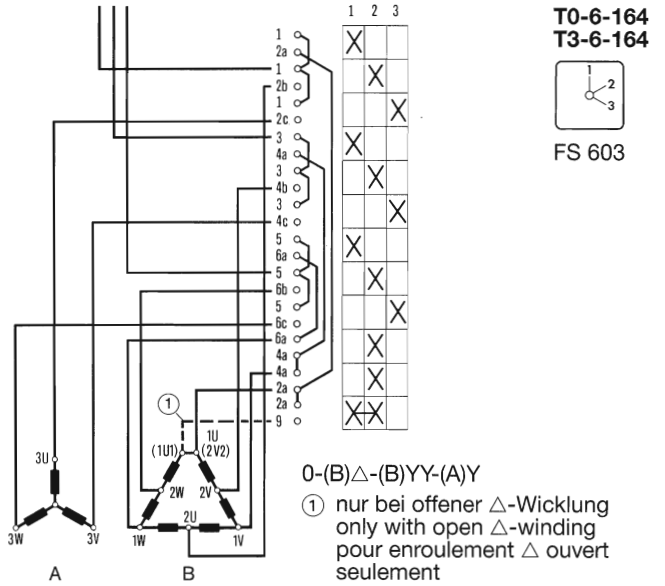
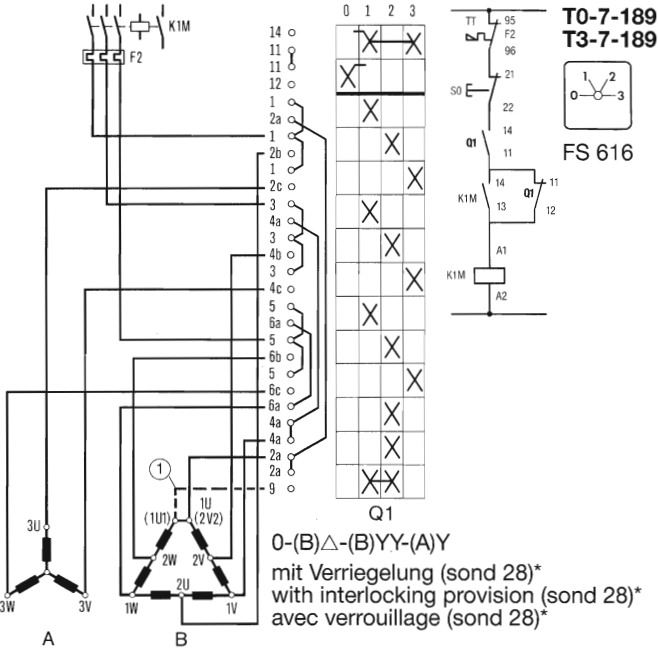
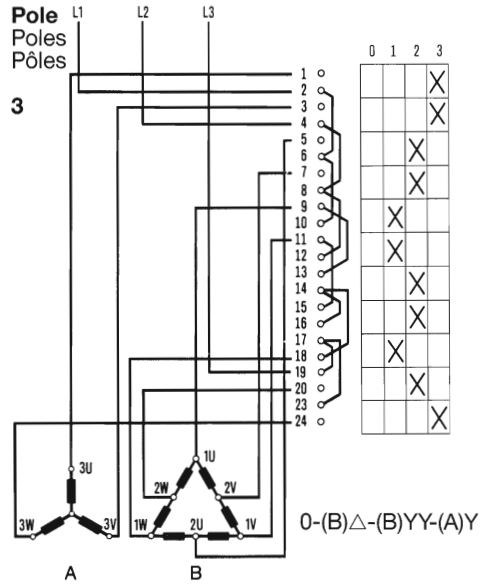
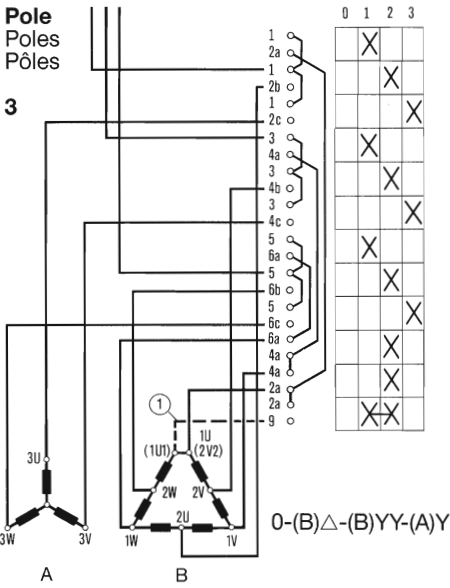


\* Seite/Page 3/66 & AWA

# Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Einfache Wicklung bei Drehzahl III

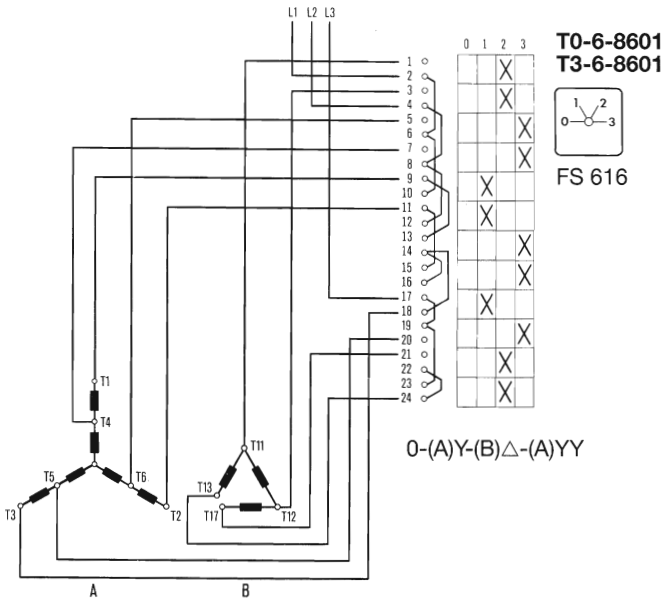
Three-speed switches, two separate windings/Single winding at speed III  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/enroulement simple en vitesse III



\* Seite/Page 3/66 & AWA

Pole  
 Poles  
 Pôles

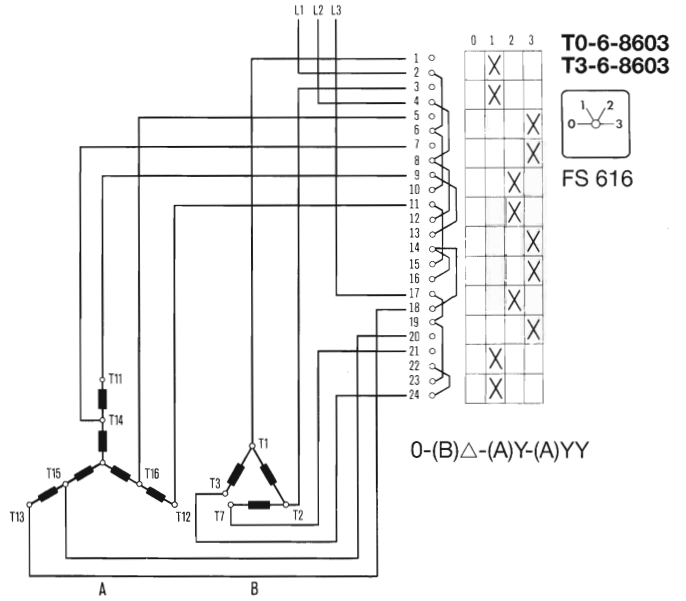
3



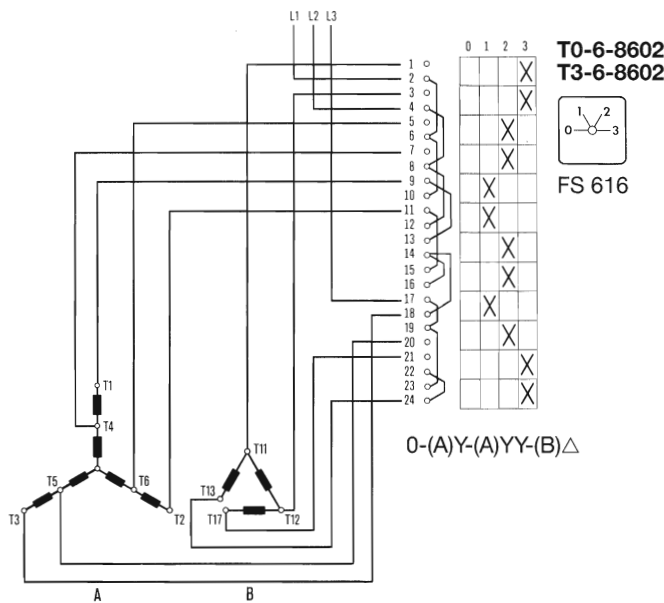
T1 Δ 1U      T4 Δ 3W      T11 Δ 2U  
 T2 Δ 1V      T5 Δ 3U      T12 Δ 2V  
 T3 Δ 1W      T6 Δ 3V      T13 Δ 2W  
 T17 Δ 2W

Pole  
 Poles  
 Pôles

3



T1 Δ 1U      T11 Δ 2U      T14 Δ 3U  
 T2 Δ 1V      T12 Δ 2V      T15 Δ 3V  
 T3 Δ 1W      T13 Δ 2W      T16 Δ 3W  
 T7 Δ 1W

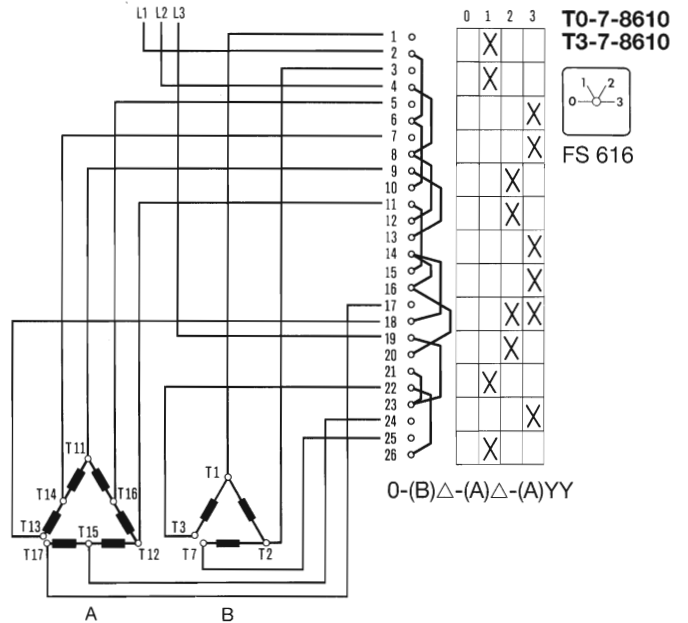
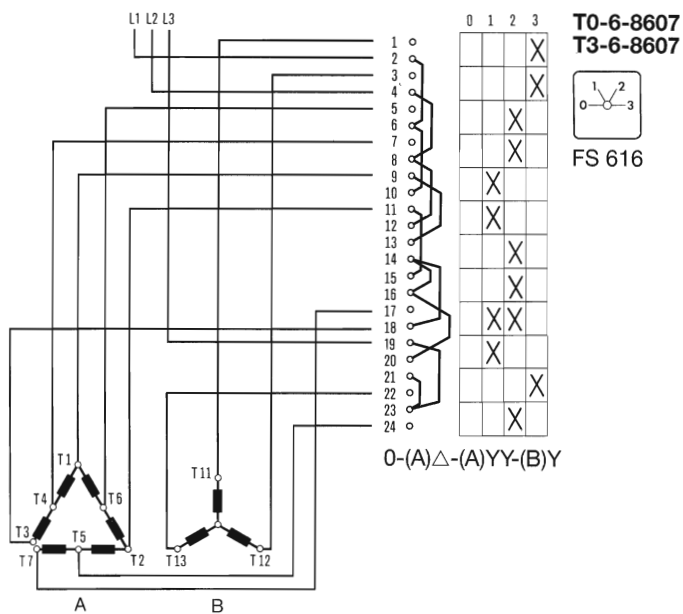
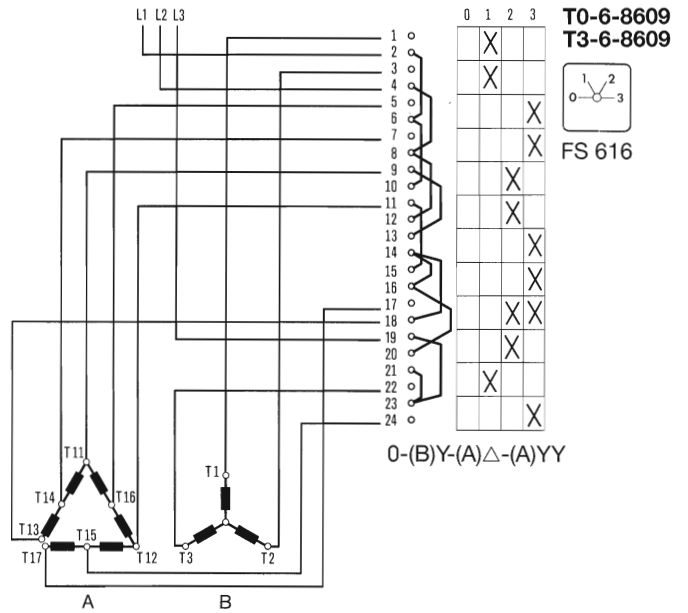
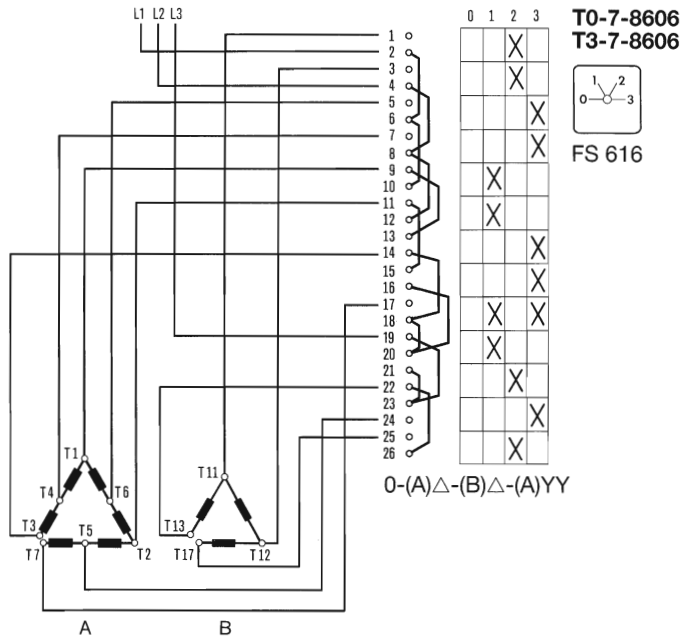
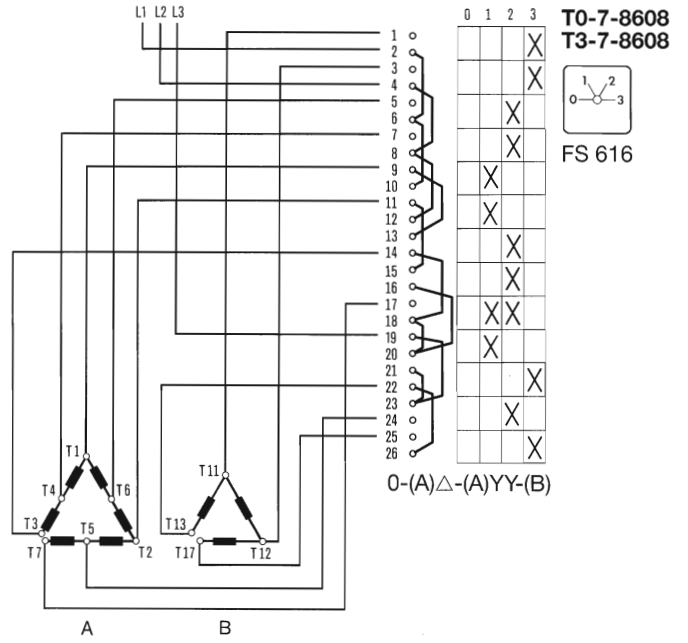
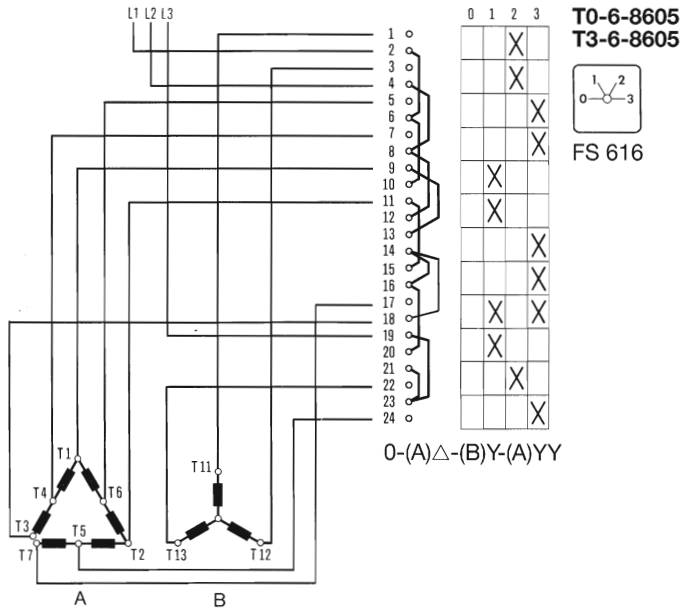


T1 Δ 1U      T4 Δ 2W      T11 Δ 3U  
 T2 Δ 1V      T5 Δ 2U      T12 Δ 3V  
 T3 Δ 1W      T6 Δ 2V      T13 Δ 3W  
 T17 Δ 3W

# Polumschalter

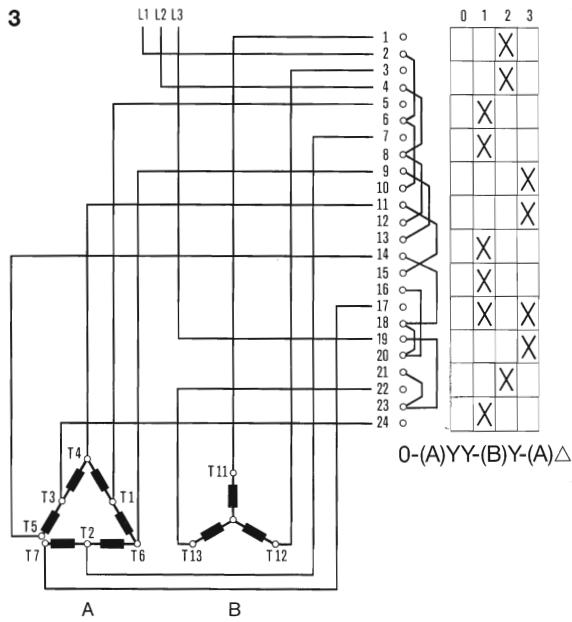
3 Drehzahlen, 2 getrennte Wicklungen  
Für Antriebe mit konstantem Drehmoment

Three-speed switches, two separate windings/For drive motors with constant torque  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/Pour moteurs d'entraînement à couple constant

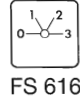




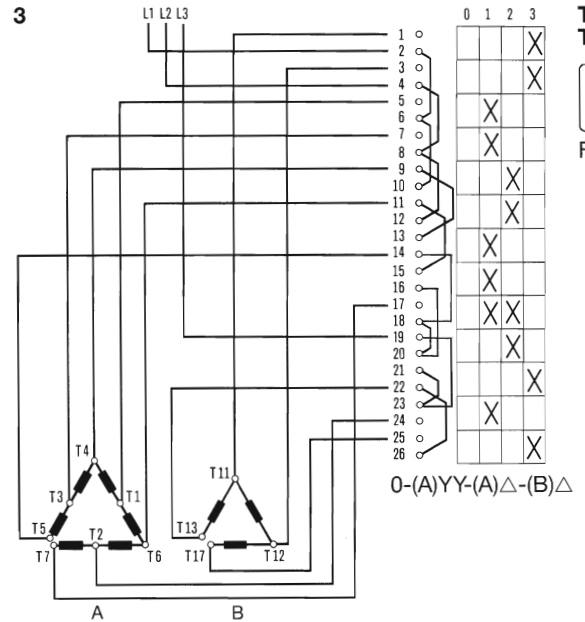
**Pole**  
 Poles  
 Pôles



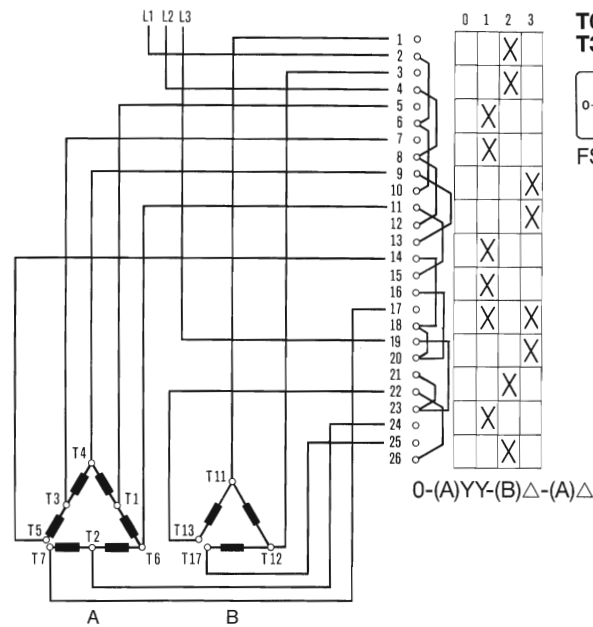
**T0-6-8613**  
**T3-6-8613**



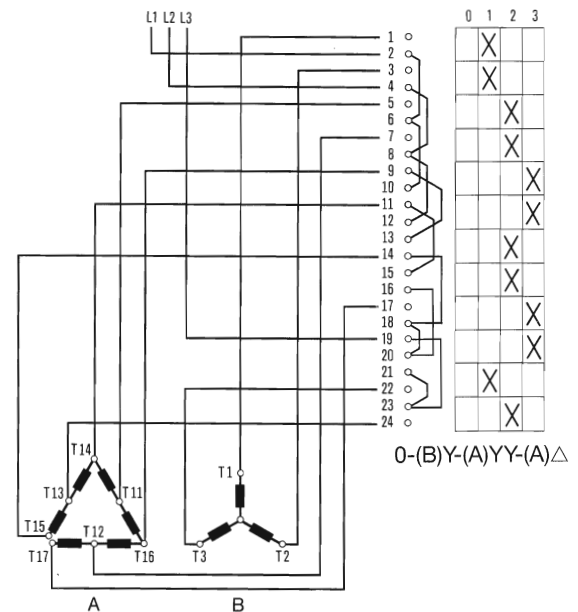
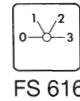
**Pole**  
 Poles  
 Pôles



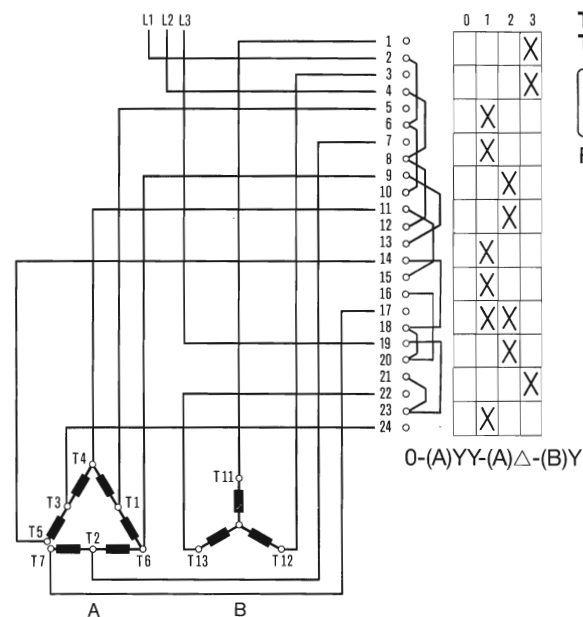
**T0-7-8616**  
**T3-7-8616**



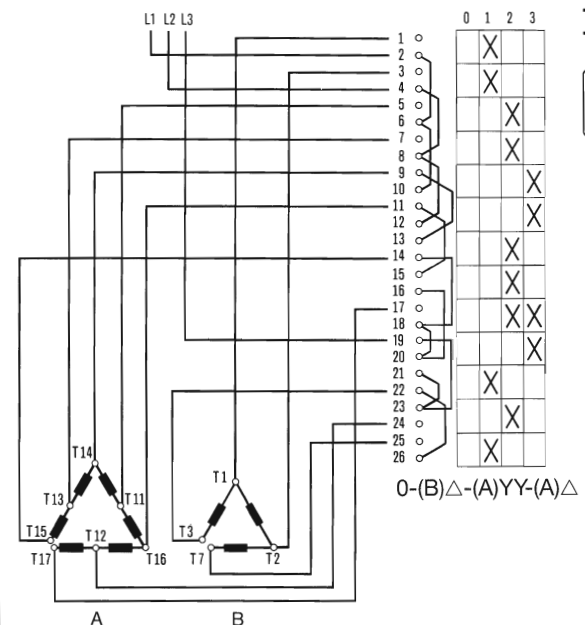
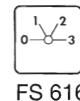
**T0-7-8614**  
**T3-7-8614**



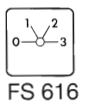
**T0-6-8617**  
**T3-6-8617**



**T0-6-8615**  
**T3-6-8615**



**T0-7-8618**  
**T3-7-8618**



# Polumschalter

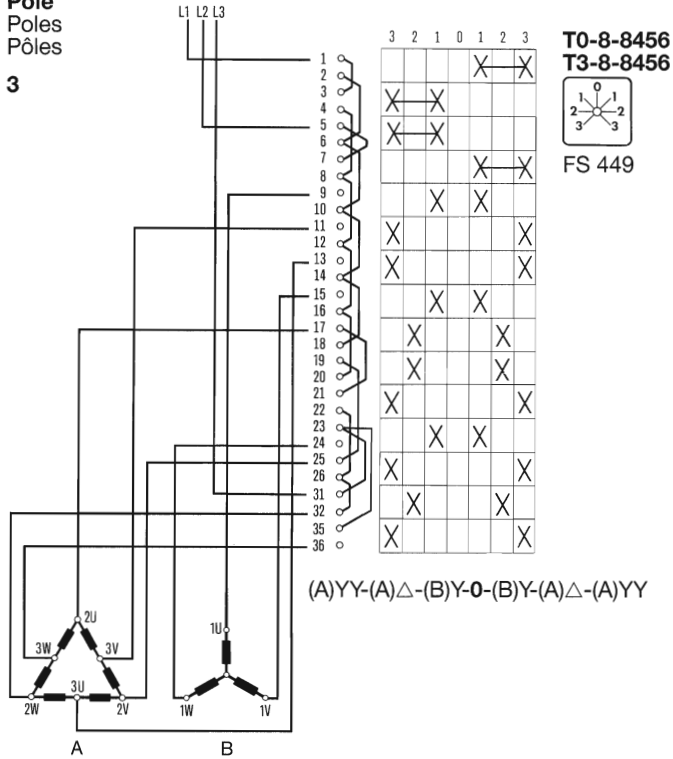
Three-speed switches  
Commutateur de pôles

## Wende-Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Three-speed reversing switches, two separate windings  
inverseurs-commutateurs de pôles,  
3 vitesse, 2 enroulements séparés  
Einfache Wicklung bei Drehzahl I  
Single winding at speed I  
enroulement simple en vitesse I

Pole  
Poles  
Pôles

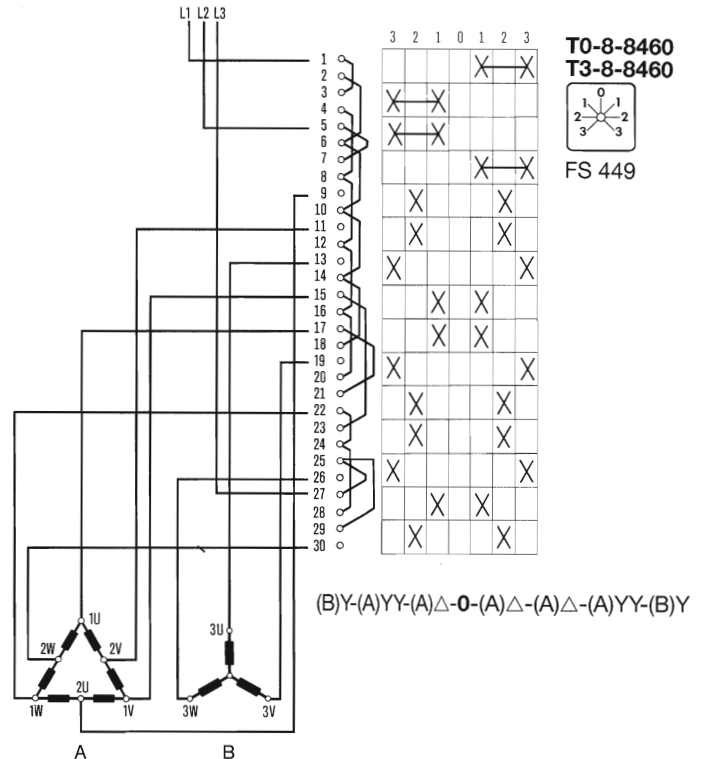
3



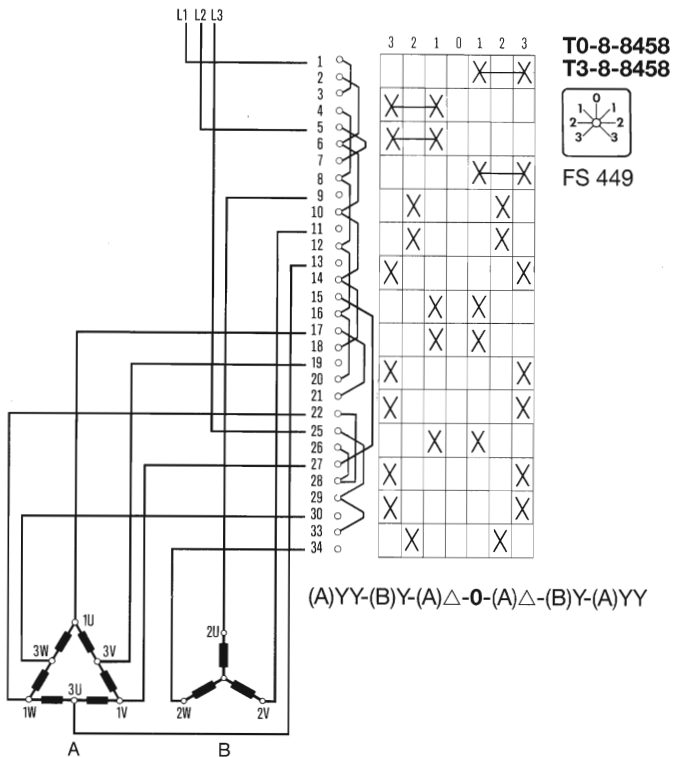
Einfache Wicklung bei Drehzahl III  
Single winding at speed III  
enroulement simple en vitesse III

Pole  
Poles  
Pôles

3



Einfache Wicklung bei Drehzahl II  
Single winding at speed II  
enroulement simple en vitesse II



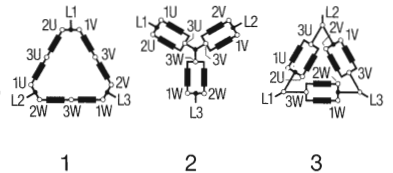
## Polumschalter

3 Drehzahlen, 1 Drehrichtung,  
1 Wicklung

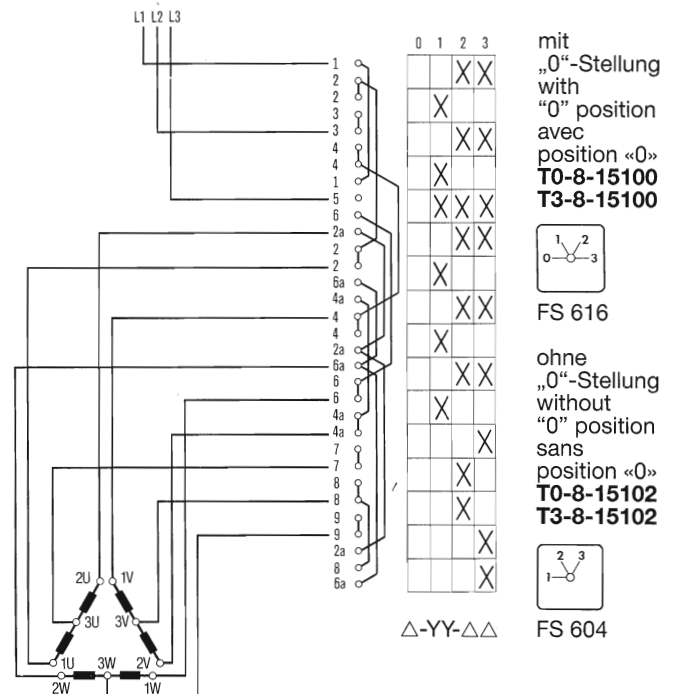
Three-speed switches  
non reversing, one winding

## Commutateurs de pôles

3 vitesses, 1 sens de marche,  
1 enroulement



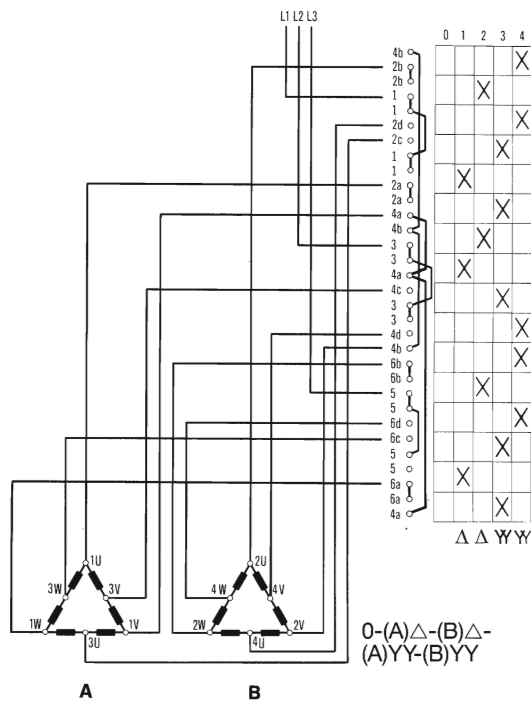
Drehzahl, speed, vitesse:



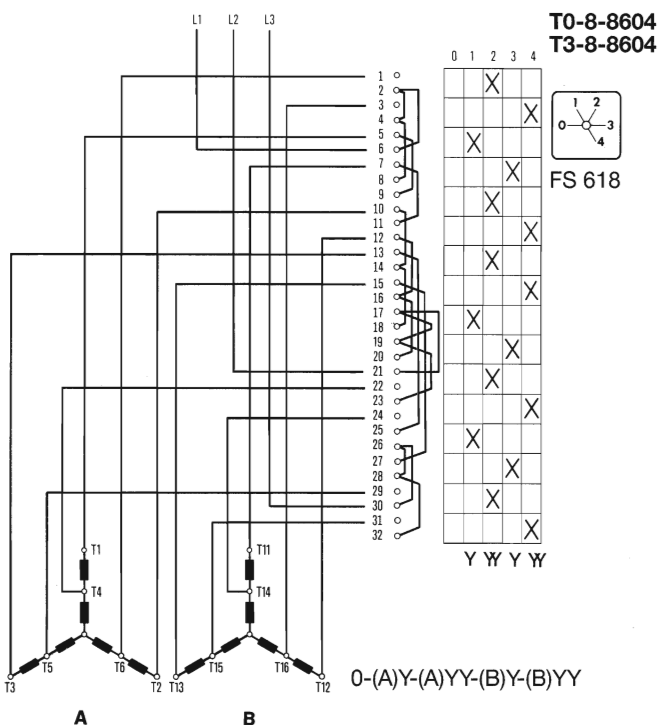
**Pole**  
Poles  
Pôles

3

Beim Schalten einer  
Wicklung bleibt die andere  
geschlossen  
When one winding is brought  
in, the other one remains  
closed  
Lors de l'enclenchement d'un  
enroulement, l'autre reste  
fermé

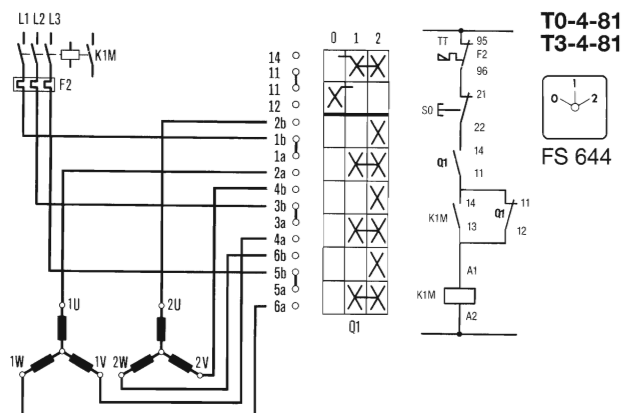
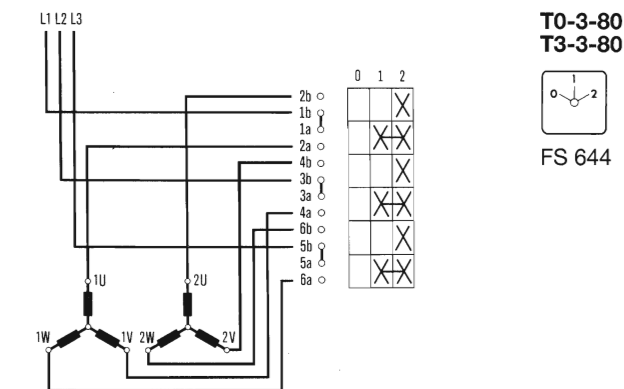


Für Antriebe mit gleitendem  
Drehmoment  
For drive motors with variable torque  
Pour moteurs d'entraînement  
à couple glissant

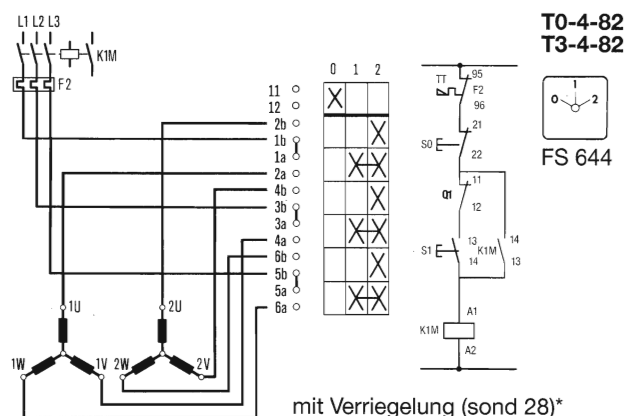


**Pole**  
Poles  
Pôles

3



mit Verriegelung (sond 28)\*  
with interlocking-provision (sond 28)  
avec verrouillage (sond 28)

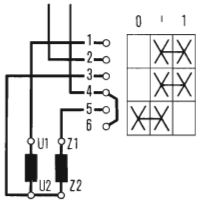


mit Verriegelung (sond 28)\*  
with interlocking-provision (sond 28)  
avec verrouillage (sond 28)

\* Seite/Page 3/66 & AWA

Pole  
Poles  
Pôles

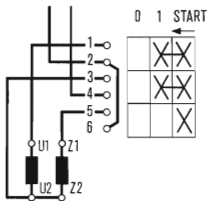
2



**T0-2-76**  
**T3-2-76**



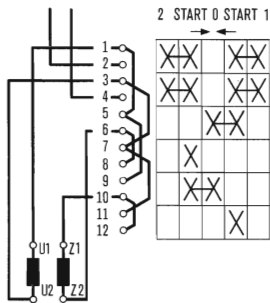
FS 465



**T0-2-8425**  
**T3-2-8425**



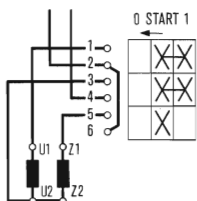
FS 140104



**T0-3-8426**  
**T3-3-8426**



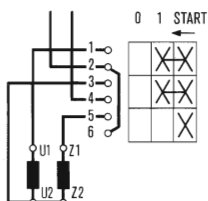
FS 142074



**T0-2-15120**  
**T3-2-15120**



FS 142010



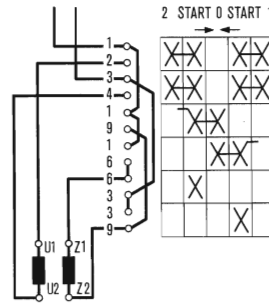
**T0-2-15121**  
**T3-2-15121**



FS 164222

Pole  
Poles  
Pôles

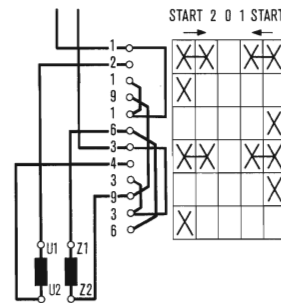
2



**T0-3-15122**  
**T3-3-15122**



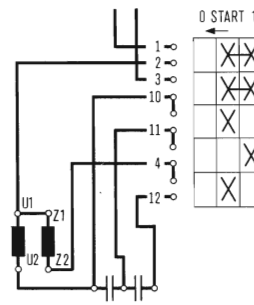
FS 142074



**T0-3-15123**  
**T3-3-15123**



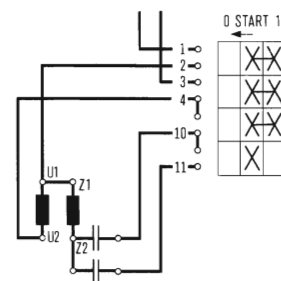
FS 1409



**T0-3-15124**  
**T3-3-15124**



FS 142010



**T0-2-15125**  
**T3-2-15125**

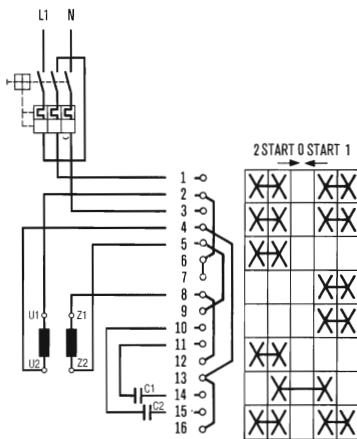


FS 142010

**Einphasen-Motor-Schalter**  
mit Anlaufkondensator  
mit/ohne Betriebskondensator

**Single-phase motor switch**  
with starting capacitor  
with/without running capacitor

**Commutateur de moteurs monophasés**  
avec condensateur de démarrage  
avec/sans condensateur de service



**T0-4-15126**  
**T3-4-15126**



FS 142074

U1-U2: Hauptwicklung  
Main winding  
Enroulement principal

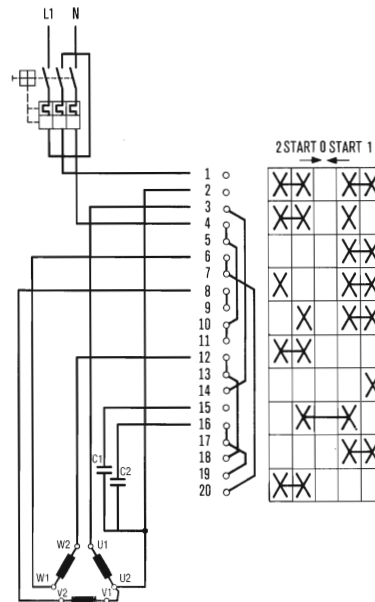
Z1-Z2: Hilfswicklung  
Auxiliary winding  
Enroulement auxiliaire

C1: Anlaufkondensator  
Starting capacitor  
Condensateur de démarrage

C2: Betriebskondensator  
Running capacitor  
Condensateur de service

ohne C2: Klemmen 10 + 15 freilassen  
without C2: Leave terminals 10 + 15 free  
sans C2: bornes 10 + 15 à laisser libre

**Einphasen-Anschluß von Drehstrommotoren**  
**Single-phase connection of three-phase motors**  
**Raccordement monophasé de moteurs triphasés**



**T0-6-15127**  
**T3-6-15127**



FS 142074

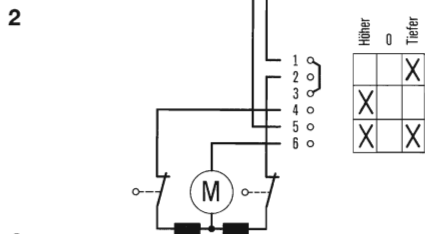
C1: Anlaufkondensator  
Starting capacitor  
Condensateur de démarrage

C2: Betriebskondensator  
Running capacitor  
Condensateur de service

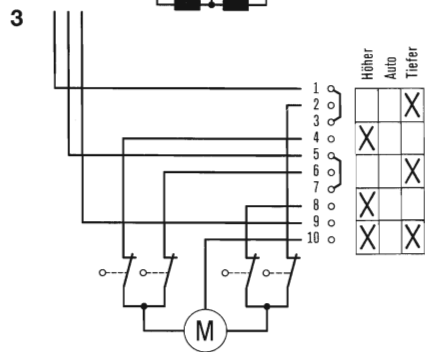
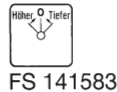
# Steermotoren-Schalter

Switches for servo-motors  
Commutateurs pour servo-moteurs

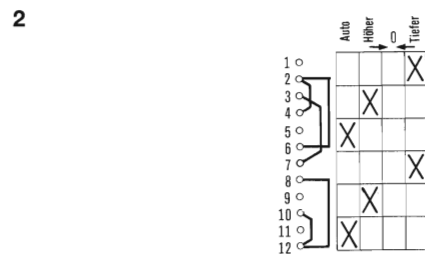
Pole  
Poles  
Pôles



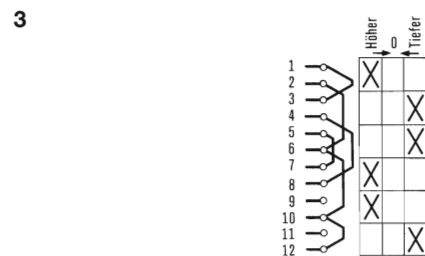
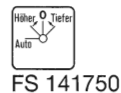
**T0-2-8150**  
**T3-2-8150**



**T0-3-8151**  
**T3-3-8151**



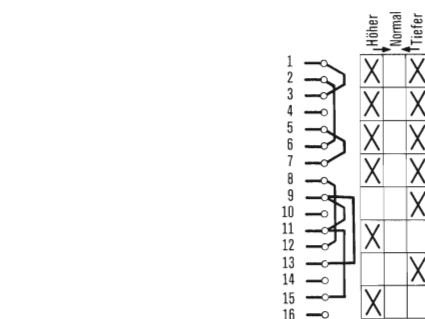
**T0-3-8152**  
**T3-3-8152**



**T0-3-8157**  
**T3-3-8157**



**T0-2-8159**  
**T3-2-8159**



**T0-4-8184**  
**T3-4-8184**



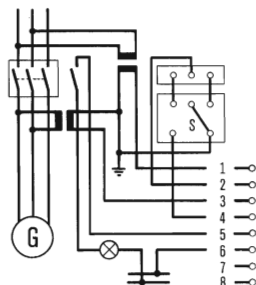
**T0-1-8185**  
**T3-1-8185**



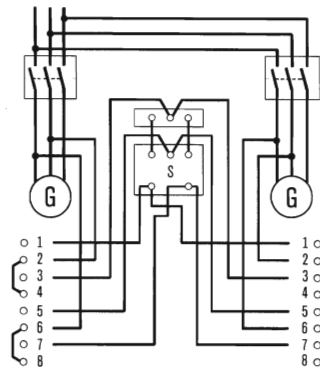
# Synchronierschalter

Synchronizing switches  
Sélecteurs de synchronisation

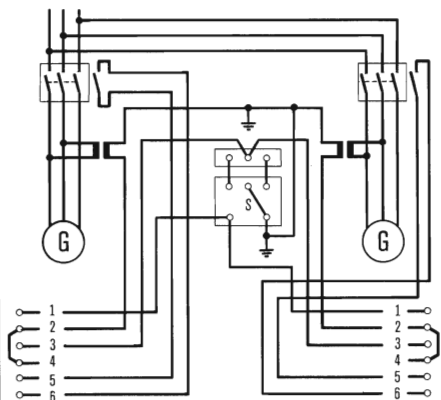
Rundschaltung möglich  
Complete rotation  
possible  
Commutation sans  
butée possible



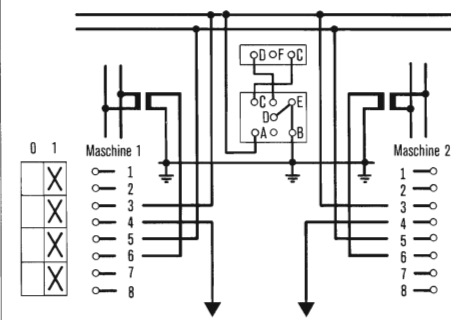
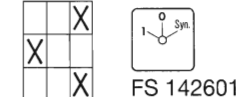
**T0-2-8060**  
**T3-2-8060**



**T0-2-8062**  
**T3-2-8062**



**T0-2-8061**  
**T3-2-8061**



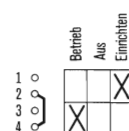
Synchronisierschiene  
Synchronizing bar  
Barre de synchroni-  
sation

**T0-2-8064**  
**T3-2-8064**



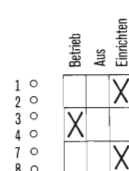
zur gleichen Phase wie Spannungswandler  
to the same phase as voltage transformer  
à la même phase que le transformateur  
de tension

**T0-1-8516**  
**T3-1-8516**



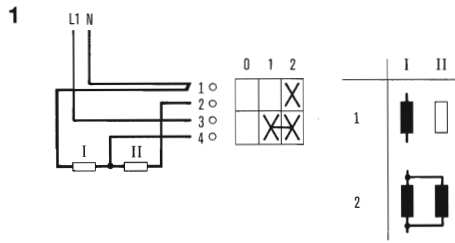
FS 19801

**T0-2-8517**  
**T3-2-8517**

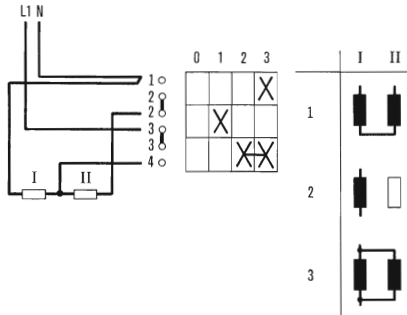
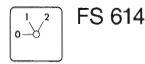


FS 19801

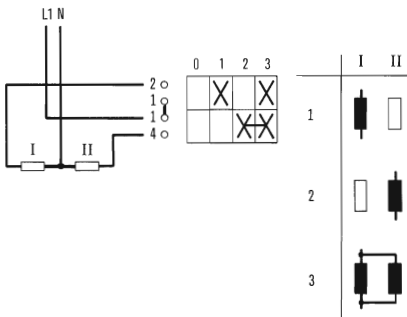
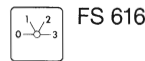
**Pole**  
Poles  
Pôles



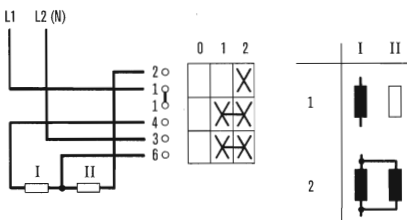
**T0-1-91**  
**T3-1-91**



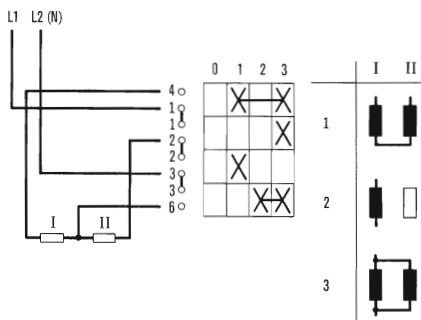
**T0-2-92**  
**T3-2-92**



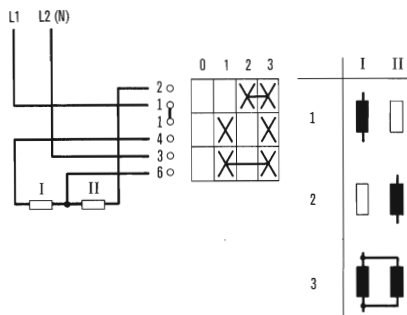
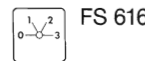
**T0-1-93**  
**T3-1-93**



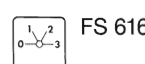
**T0-2-94**  
**T3-2-94**



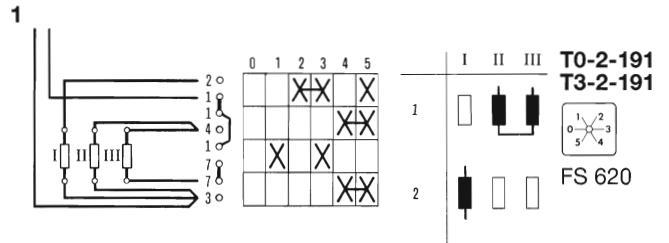
**T0-2-95**  
**T3-2-95**



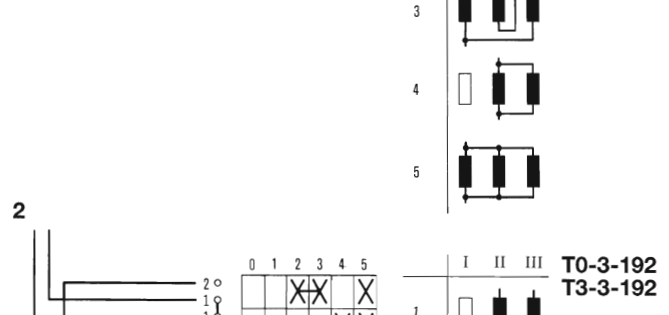
**T0-2-96**  
**T3-2-96**



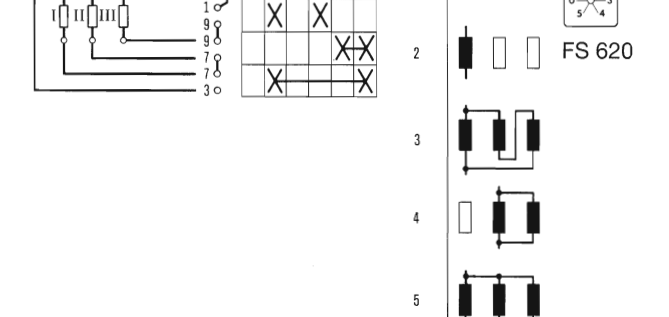
**Pole**  
Poles  
Pôles



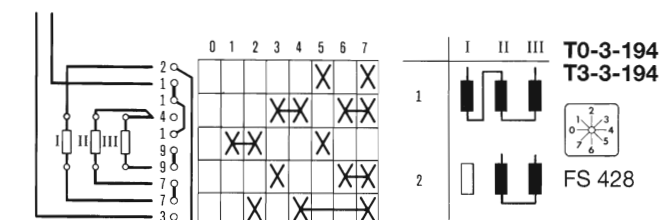
**T0-2-191**  
**T3-2-191**



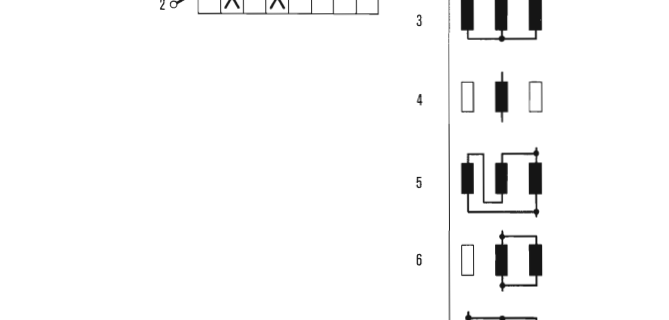
**T0-3-192**  
**T3-3-192**



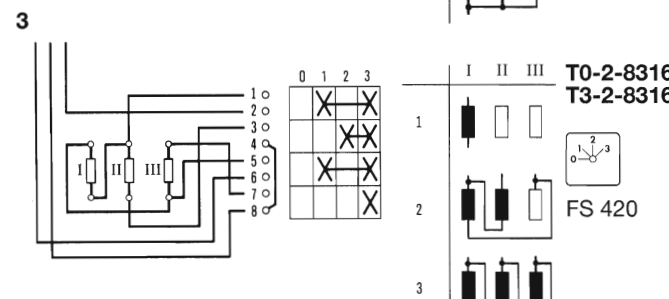
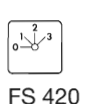
**T0-3-194**  
**T3-3-194**



**T0-2-99**  
**T3-2-99**





**T0-2-8316**  
**T3-2-8316**



# Heizungsschalter

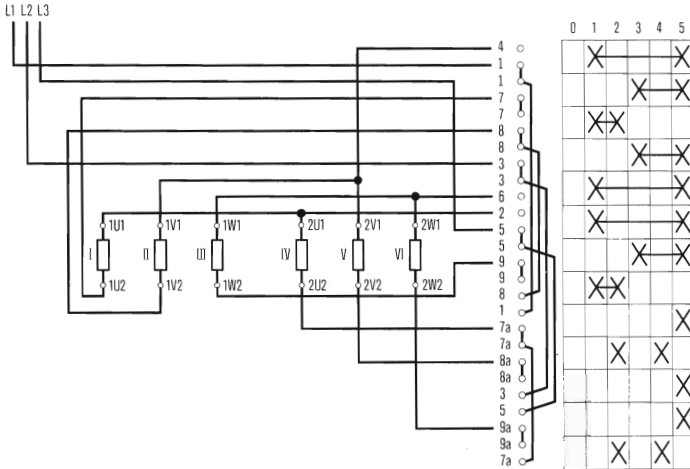
Heater switches  
Interrupteurs de circuit de chauffage

 geschlossen  
 closed  
 fermé

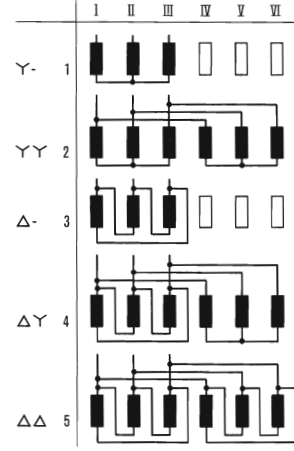
 geöffnet  
 open  
 ouvert

Pole  
Poles  
Pôles

3



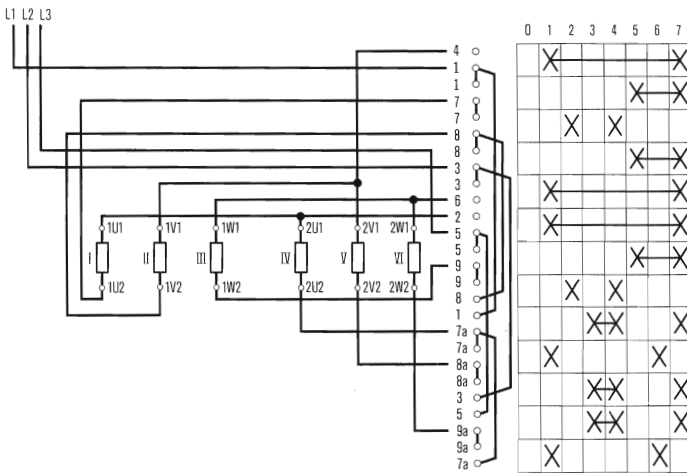
	0	1	2	3	4	5
4		X				X
1				X	X	
7				X	X	
8		X	X			
3				X	X	
6				X	X	
2				X	X	
5				X	X	
9				X	X	
8		X	X			
1				X	X	
7a						X
7a		X	X			
8a						X
3						X
5						X
9a						X
7a		X	X			



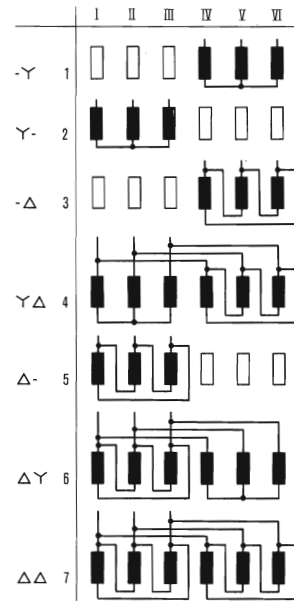
**T0-7-195**  
**T3-7-195**



FS 620



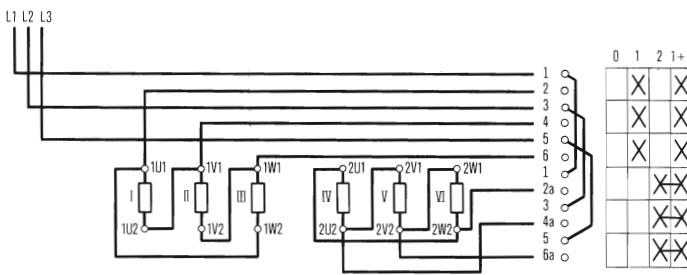
	0	1	2	3	4	5	6	7
4		X						X
1				X	X			
7				X	X			
8		X	X					
3				X	X			
6				X	X			
2				X	X			
5				X	X			
9				X	X			
8		X	X					
1				X	X			
7a		X	X					
8a						X		
3						X		
5						X		
9a						X		
7a		X	X					



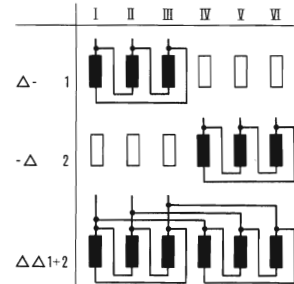
**T0-7-196**  
**T3-7-196**



FS 428



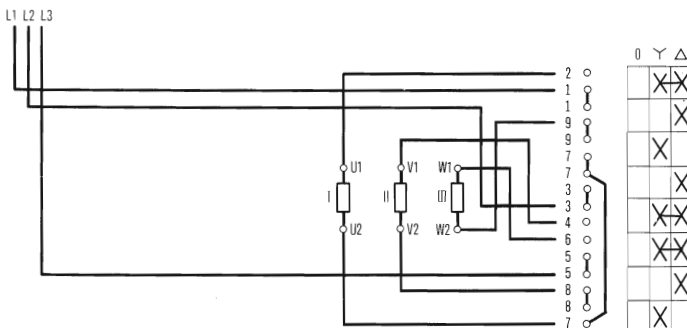
	0	1	2	1+2
1		X	X	
2		X	X	
3		X	X	
4				X
5				X
6				X
1				X
2a				X
3				X
4a				X
5				X
6a				X



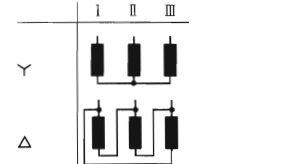
**T0-3-197**  
**T3-3-197**



FS 6233



	0	Y	Δ
2		X	X
1			X
9		X	
7			X
3			X
4		X	X
5			X
8			X
7		X	



**T0-4-3**  
**T3-4-3**

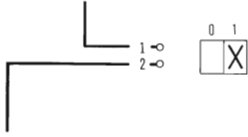


FS 635



**Pole**  
Poles  
Pôles

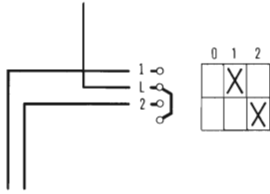
1



**T0-1-140**  
**T3-1-140**



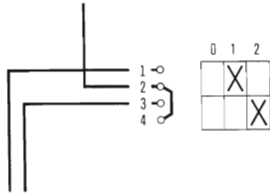
FS 416



**T0-1-141**  
**T3-1-141**



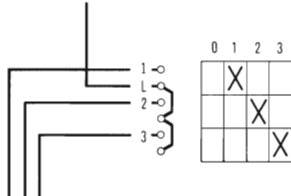
FS 418



**T0-1-8240**  
**T3-1-8240**



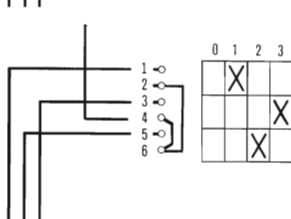
FS 418



**T0-2-142**  
**T3-2-142**



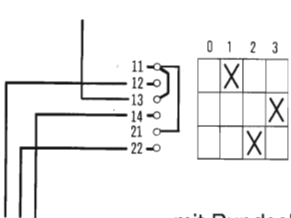
FS 420



**T0-2-8241**  
**T3-2-8241**



FS 420

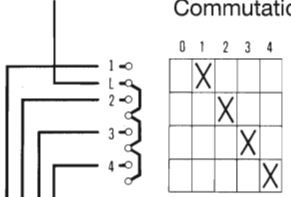


**T0-2-15052**  
**T3-2-15052**



FS 912

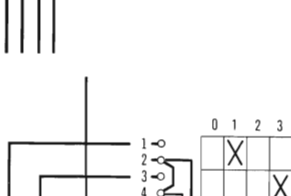
mit Rundschaltung  
Complete rotation  
Commutation sans butée



**T0-2-143**  
**T3-2-143**



FS 422



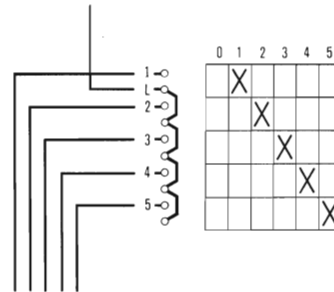
**T0-2-8242**  
**T3-2-8242**



FS 422

**Pole**  
Poles  
Pôles

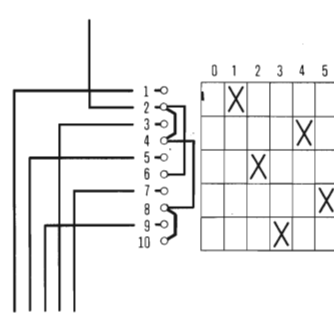
1



**T0-3-144**  
**T3-3-144**



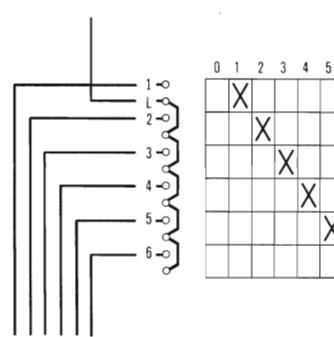
FS 424



**T0-3-8243**  
**T3-3-8243**



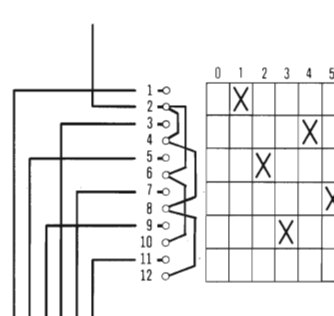
FS 424



**T0-3-145**  
**T3-3-145**



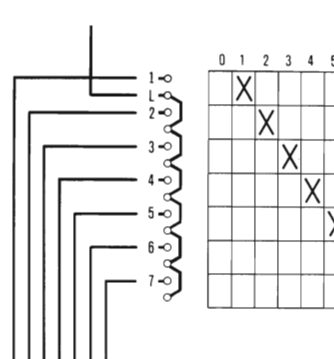
FS 426



**T0-3-8244**  
**T3-3-8244**



FS 426

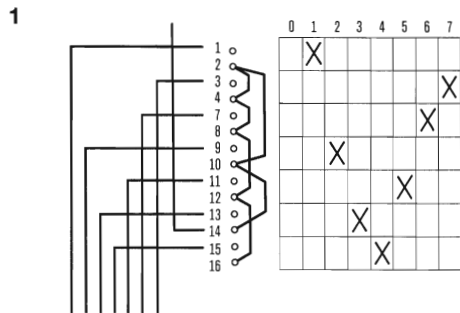


**T0-4-146**  
**T3-4-146**

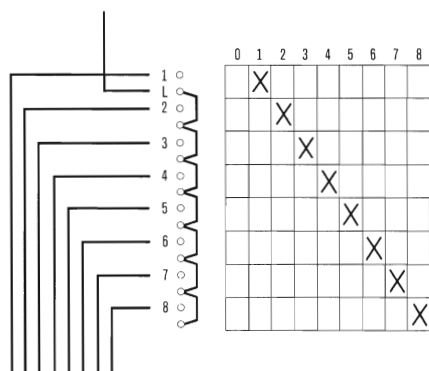


FS 428

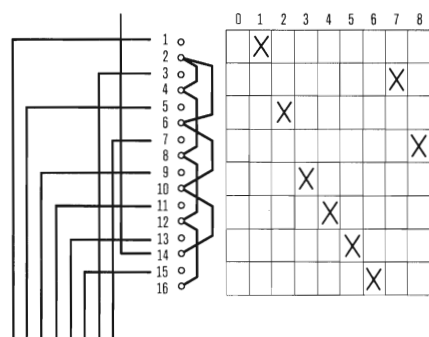
Pole  
Poles  
Pôles



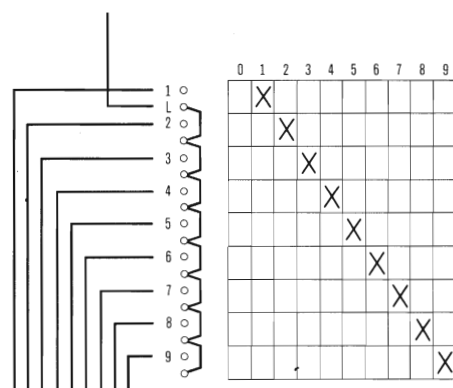
**T0-4-8245**  
**T3-4-8245**  
FS 428



**T0-4-15246**  
**T3-4-15246**  
FS 313

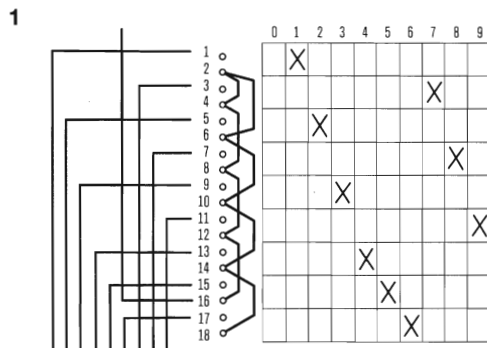


**T0-4-8246**  
**T3-4-8246**  
FS 313

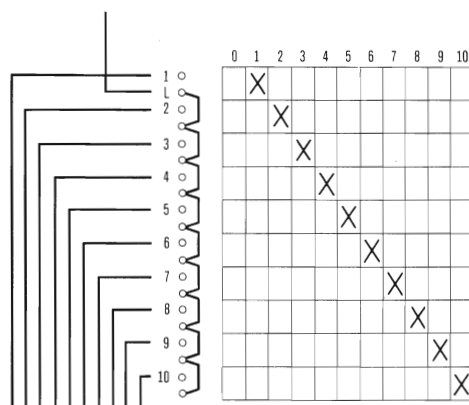


**T0-5-15247**  
**T3-5-15247**  
FS 312

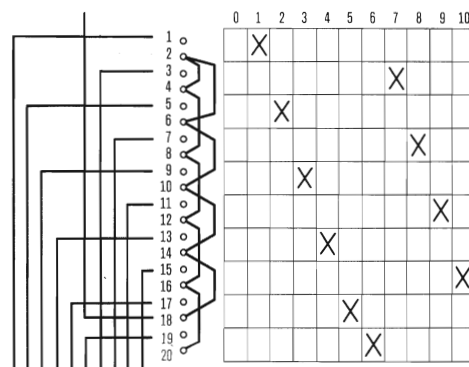
Pole  
Poles  
Pôles



**T0-5-8247**  
**T3-5-8247**  
FS 312



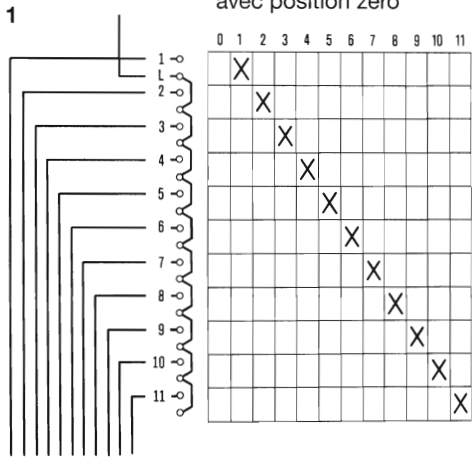
**T0-5-15248**  
**T3-5-15248**  
FS 311



**T0-5-8248**  
**T3-5-8248**  
FS 311

Pole  
Poles  
Pôles

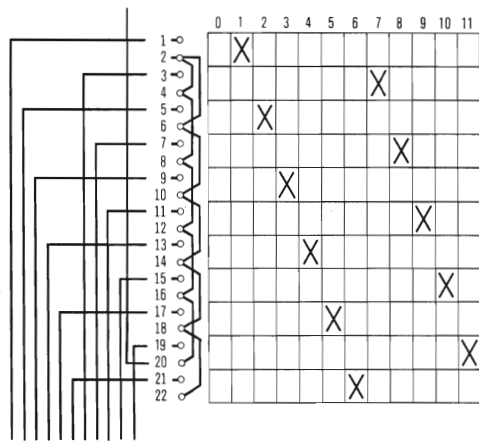
mit Nullstellung  
with "OFF" position  
avec position zéro



**T0-6-15249**  
**T3-6-15249**



FS 310

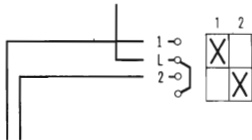


**T0-6-8249**  
**T3-6-8249**



FS 310

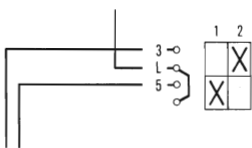
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-1-147**  
**T3-1-147**



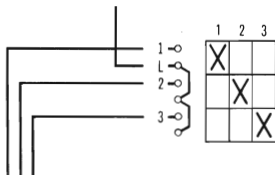
FS 402



**T0-1-15075**  
**T3-1-15075**



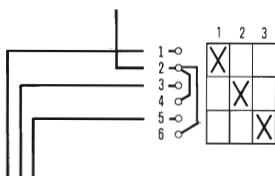
FS 401



**T0-2-148**  
**T3-2-148**



FS 404



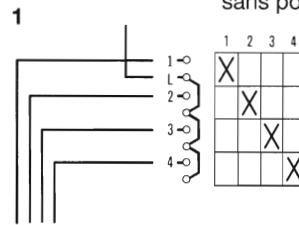
**T0-2-8230**  
**T3-2-8230**



FS 404

Pole  
Poles  
Pôles

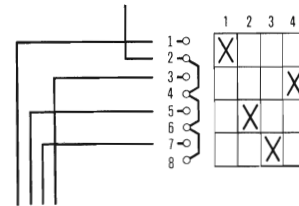
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-2-149**  
**T3-2-149**



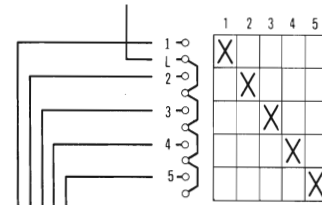
FS 406



**T0-2-8231**  
**T3-2-8231**



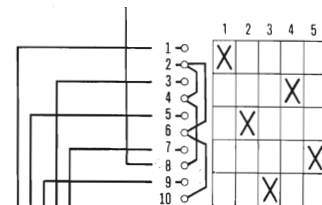
FS 606



**T0-3-150**  
**T3-3-150**



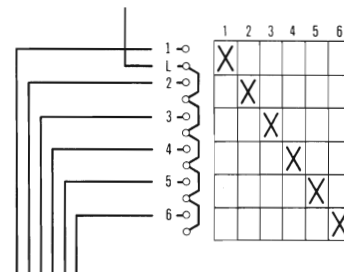
FS 408



**T0-3-8232**  
**T3-3-8232**



FS 408



**T0-3-151**  
**T3-3-151**



FS 410

# Stufenschalter

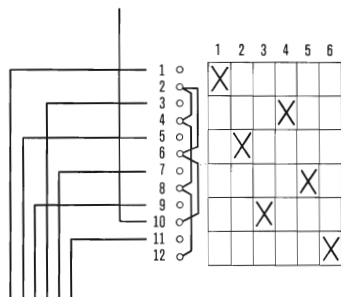
Step switches  
Commutateurs à gradins

ohne Nullstellung  
without "OFF" position  
sans position zéro

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

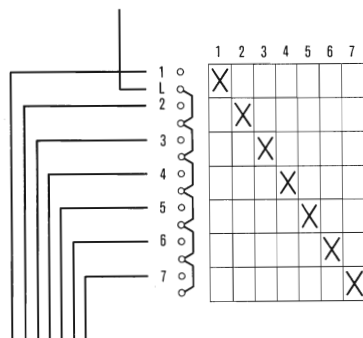
1



**T0-3-8233**  
**T3-3-8233**



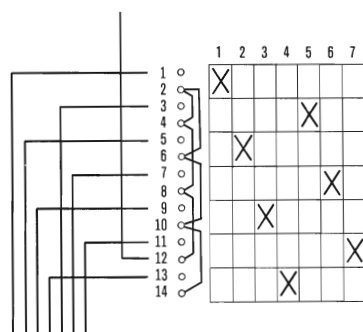
FS 410



**T0-4-152**  
**T3-4-152**



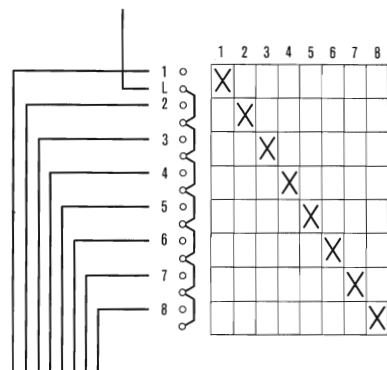
FS 412



**T0-4-8234**  
**T3-4-8234**



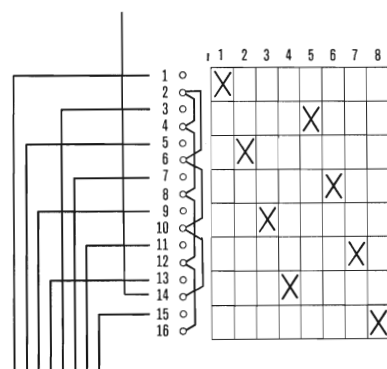
FS 412



**T0-4-153**  
**T3-4-153**



FS 414



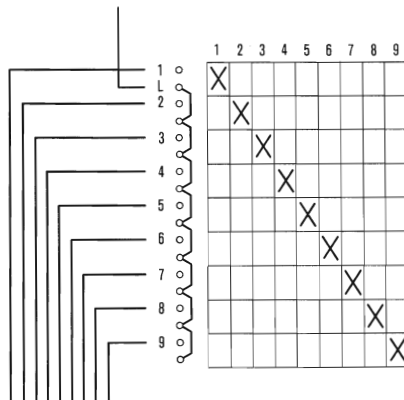
**T0-4-8235**  
**T3-4-8235**



FS 414

Pole  
Poles  
Pôles

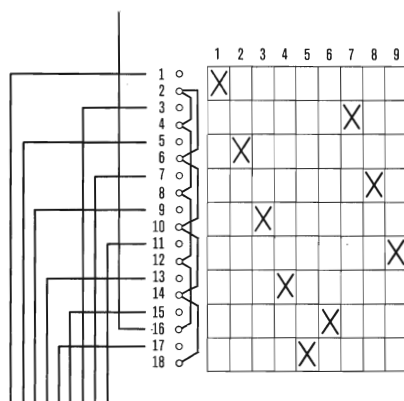
1



**T0-5-15250**  
**T3-5-15250**



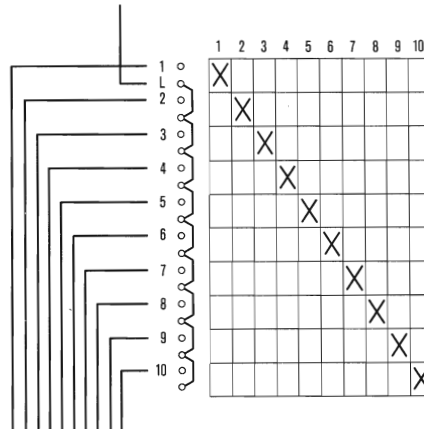
FS 304



**T0-5-8236**  
**T3-5-8236**



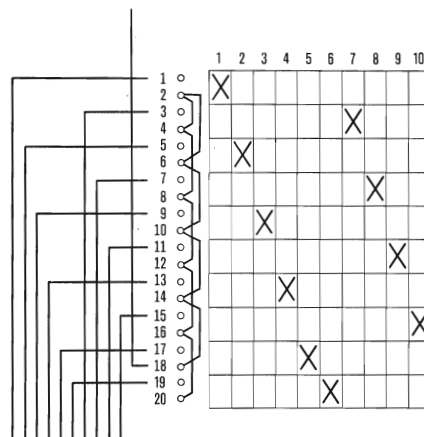
FS 304



**T0-5-15251**  
**T3-5-15251**



FS 303



**T0-5-8237**  
**T3-5-8237**

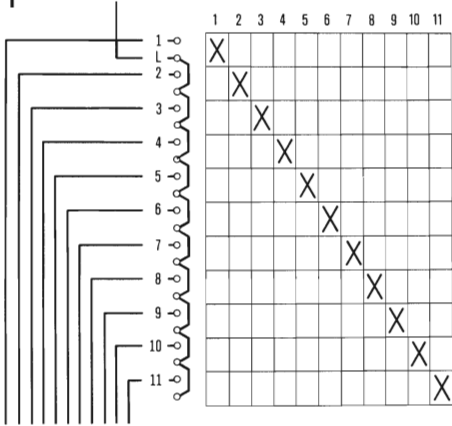


FS 303

Pole  
Poles  
Pôles

1

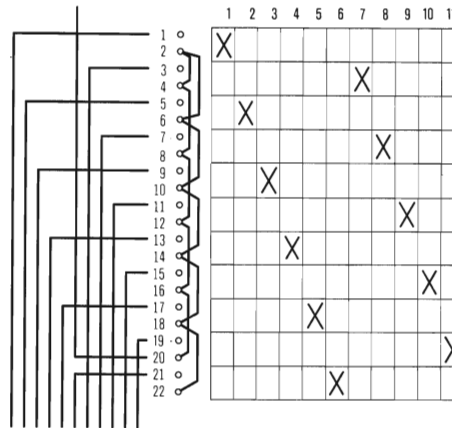
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-6-15252**  
**T3-6-15252**



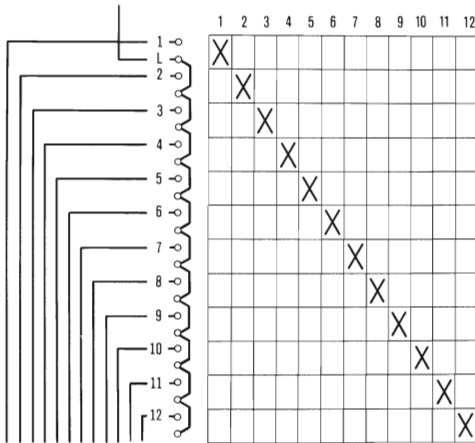
FS 302



**T0-6-8238**  
**T3-6-8238**



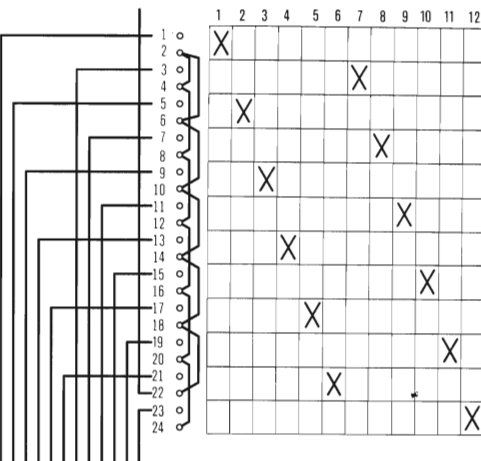
FS 302



**T0-6-15253**  
**T3-6-15253**



FS 301



**T0-6-8239**  
**T3-6-8239**



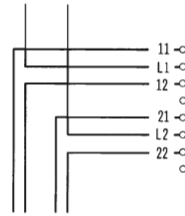
FS 301

mit Rund-  
schaltung  
Complete  
rotation  
Commutation  
sans butée

Pole  
Poles  
Pôles

2

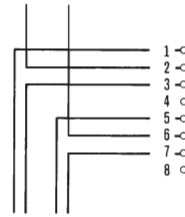
mit Nullstellung  
with "OFF" position  
avec position zéro



**T0-2-15130**  
**T3-2-15130**



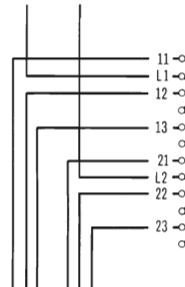
FS 418



**T0-2-8260**  
**T3-2-8260**



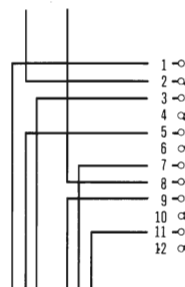
FS 418



**T0-3-15131**  
**T3-3-15131**



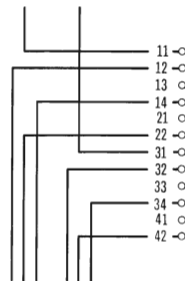
FS 420



**T0-3-8261**  
**T3-3-8261**



FS 420



**T0-3-15053**  
**T3-3-15053**

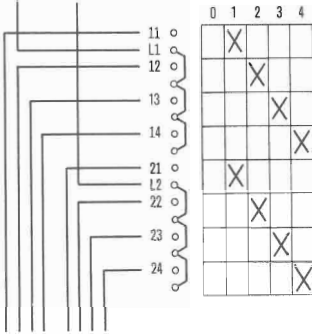


FS 912

mit Rund-  
schaltung  
Complete rotation  
Commutation sans butée

Pole  
Poles  
Pôles

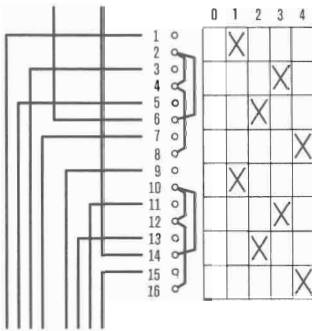
2



**T0-4-15132**  
**T3-4-15132**



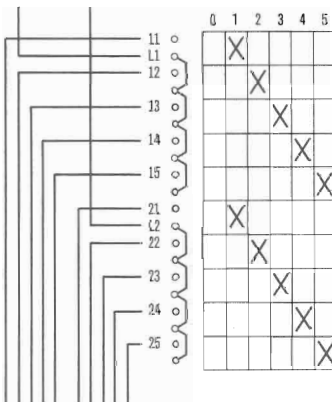
FS 422



**T0-4-8262**  
**T3-4-8262**



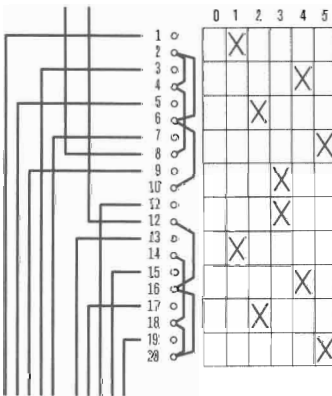
FS 422



**T0-5-15133**  
**T3-5-15133**



FS 424



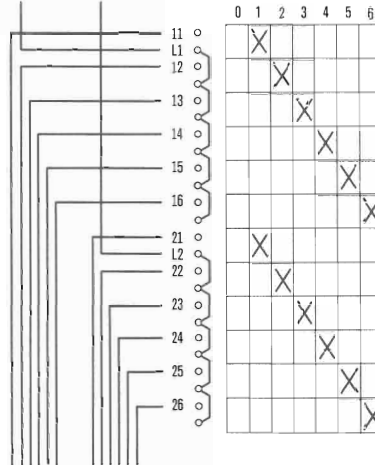
**T0-5-8263**  
**T3-5-8263**



FS 424

Pole  
Poles  
Pôles

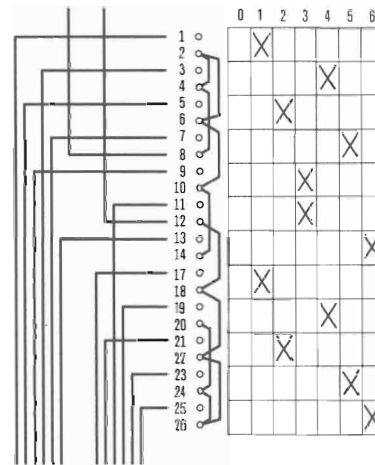
2



**T0-6-15134**  
**T3-6-15134**



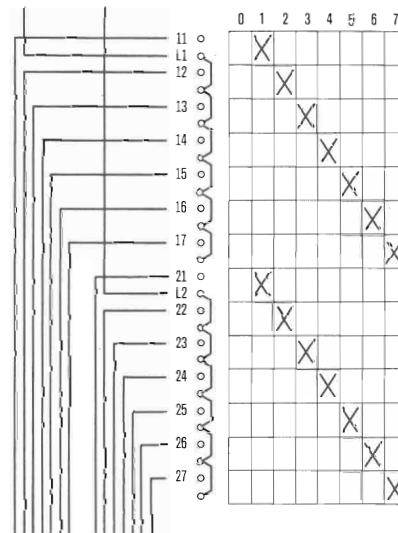
FS 426



**T0-6-8264**  
**T3-6-8264**



FS 426



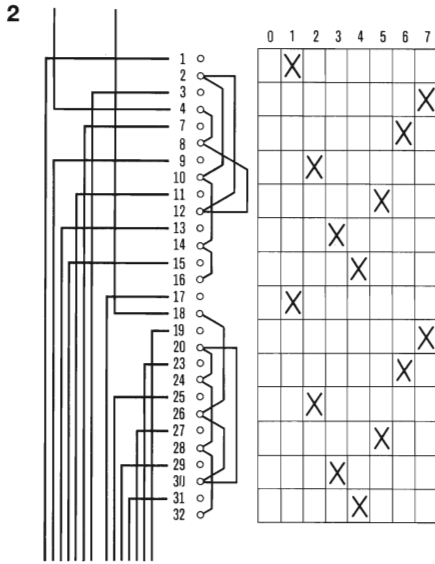
**T0-7-15135**  
**T3-7-15135**



FS 428

**Pole**  
 Poles  
 Pôles

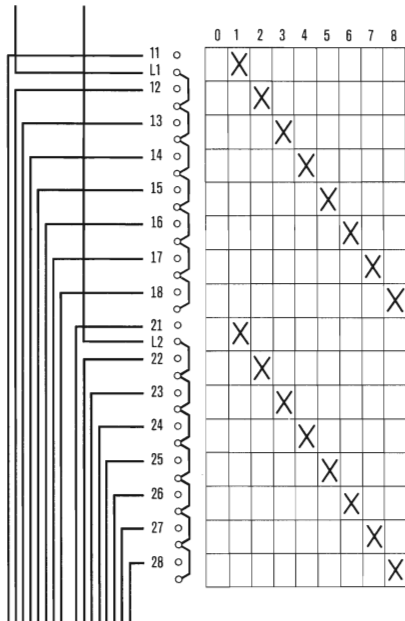
mit Nullstellung  
 with "OFF" position  
 avec position zéro



**T0-7-8265**  
**T3-7-8265**



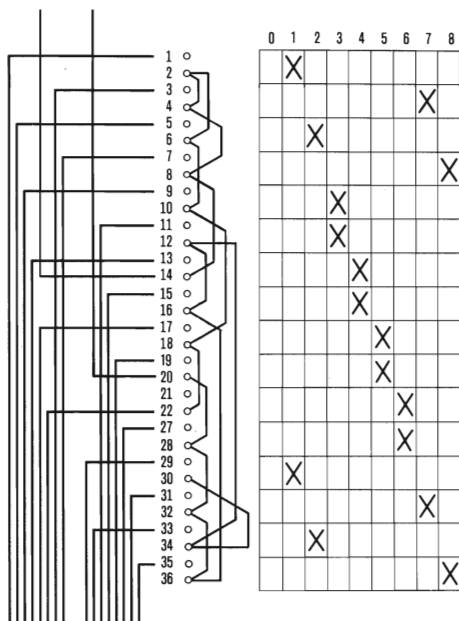
FS 428



**T0-8-15290**  
**T3-8-15290**



FS 313



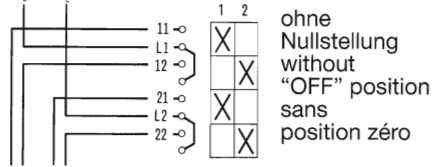
**T0-8-8266**  
**T3-8-8266**



FS 313

**Pole**  
 Poles  
 Pôles

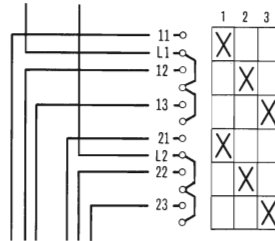
2



**T0-2-15136**  
**T3-2-15136**



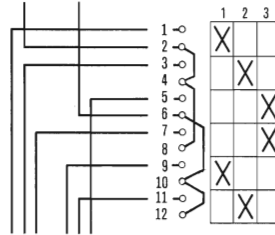
FS 402



**T0-3-15137**  
**T3-3-15137**



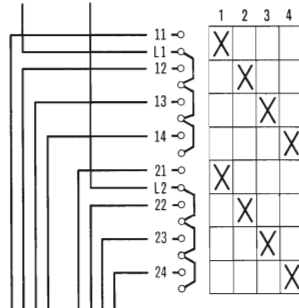
FS 404



**T0-3-8250**  
**T3-3-8250**



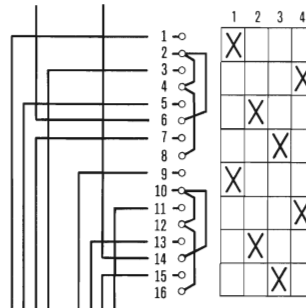
FS 404



**T0-4-15138**  
**T3-4-15138**



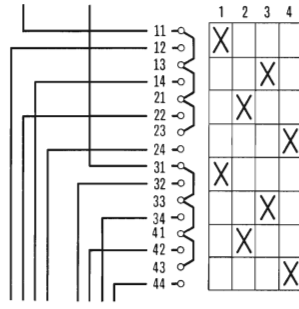
FS 406



**T0-4-8251**  
**T3-4-8251**



FS 406

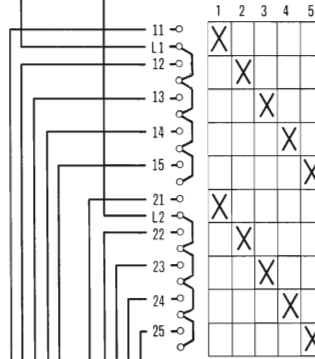


**T0-4-15056**  
**T3-4-15056**



FS 906

mit Rundschaltung  
 Complete rotation  
 Commutation sans butée



**T0-5-15139**  
**T3-5-15139**

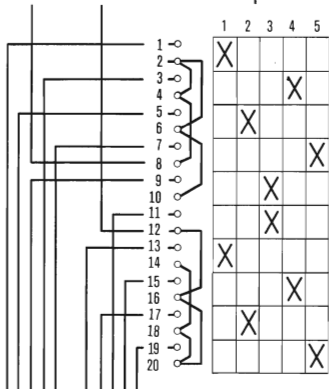


FS 408

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

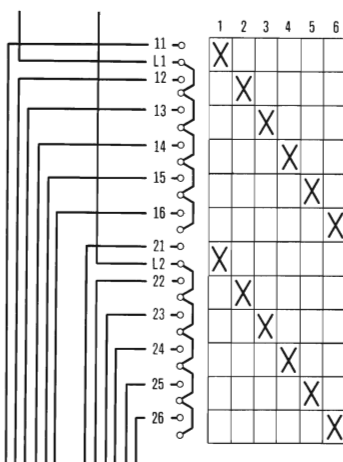
2



**T0-5-8252**  
**T3-5-8252**



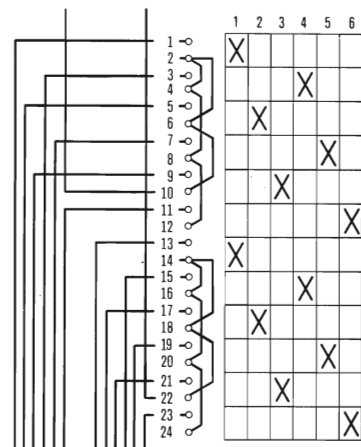
FS 408



**T0-6-15140**  
**T3-6-15140**



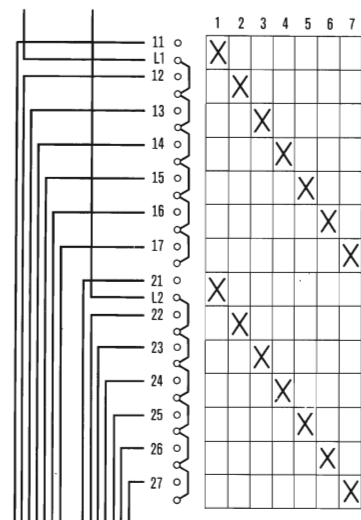
FS 410



**T0-6-8253**  
**T3-6-8253**



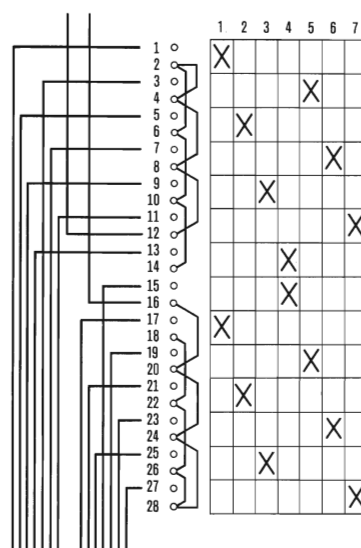
FS 410



**T0-7-15141**  
**T3-7-15141**



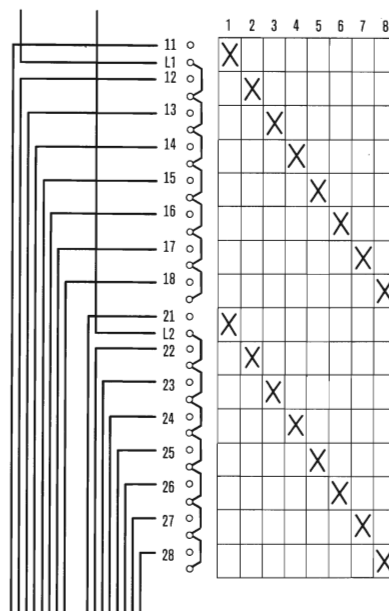
FS 412



**T0-7-8254**  
**T3-7-8254**



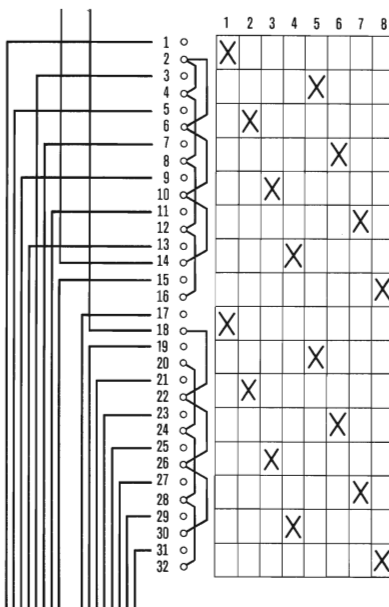
FS 412



**T0-8-15142**  
**T3-8-15142**



FS 414



**T0-8-8255**  
**T3-8-8255**



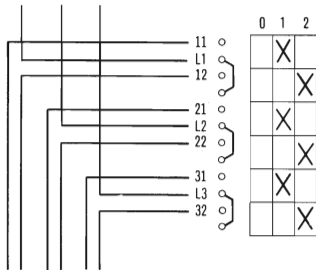
FS 414



Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

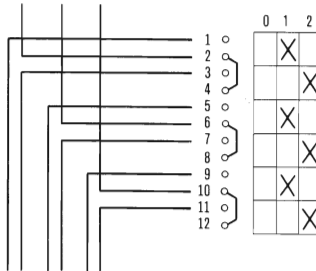
3



**T0-3-15143**  
**T3-3-15143**



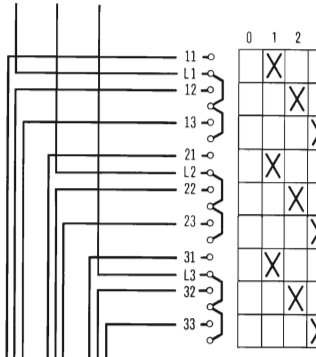
FS 418



**T0-3-8280**  
**T3-3-8280**



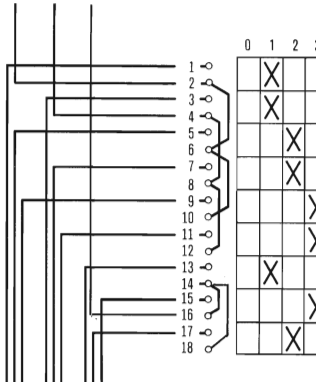
FS 418



**T0-5-15144**  
**T3-5-15144**



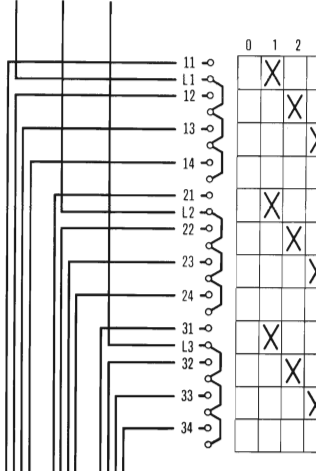
FS 420



**T0-5-8281**  
**T3-5-8281**



FS 420



**T0-6-15145**  
**T3-6-15145**

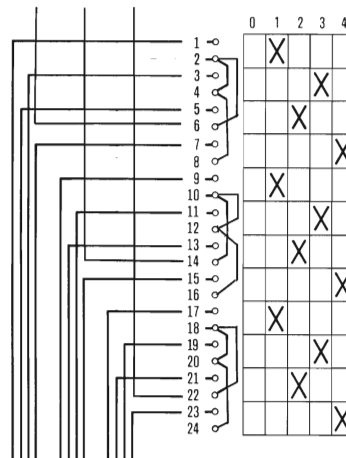


FS 422

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

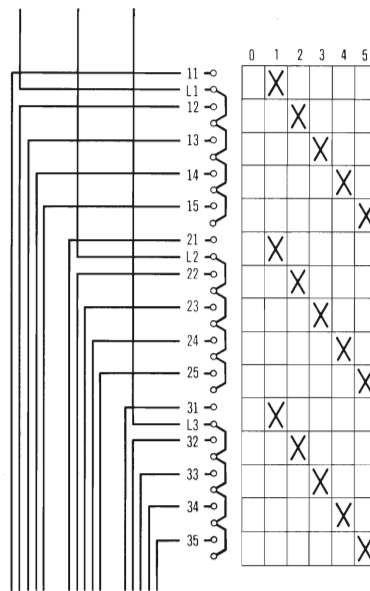
3



**T0-6-8282**  
**T3-6-8282**



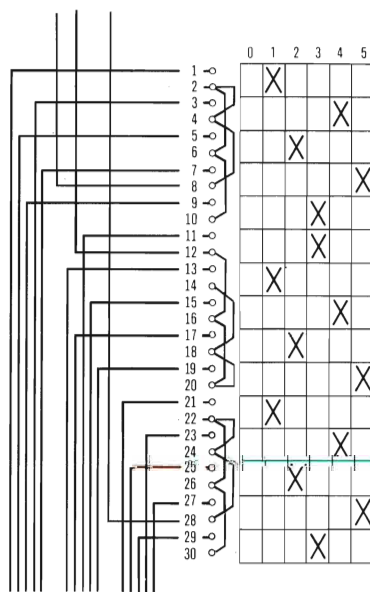
FS 422



**T0-8-15146**  
**T3-8-15146**



FS 424



**T0-8-8283**  
**T3-8-8283**



FS 424

# Stufenschalter

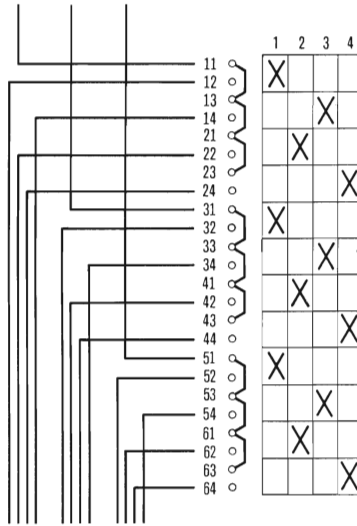
Step switches  
Commutateurs à gradins

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

3

ohne Nullstellung  
without "OFF" position  
sans position zéro

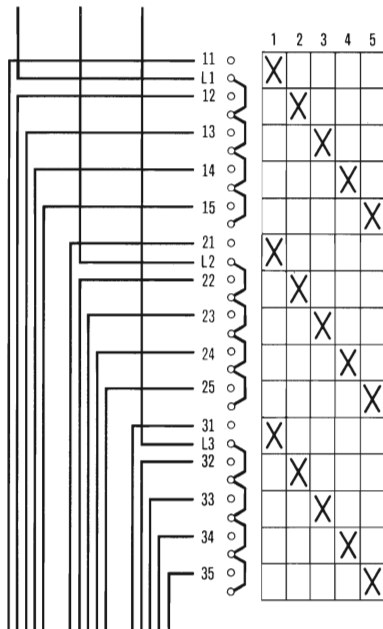


**T0-6-15057**  
**T3-6-15057**



FS 906

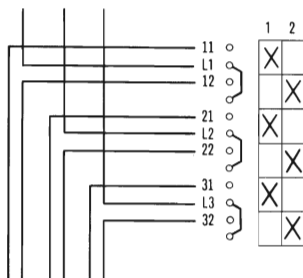
Rundschtaltung  
Complete rotation  
Commutation sans butée



**T0-8-15152**  
**T3-8-15152**



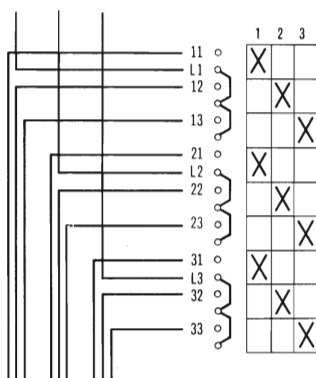
FS 408



**T0-3-15149**  
**T3-3-15149**



FS 402



**T0-5-15150**  
**T3-5-15150**

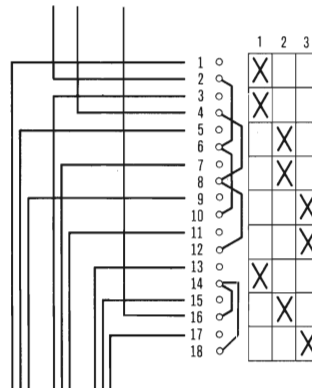


FS 404

Pole  
Poles  
Pôles

3

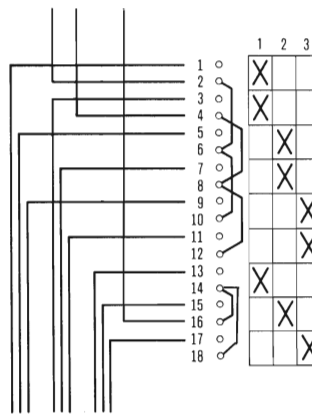
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-5-15270**  
**T3-5-15270**



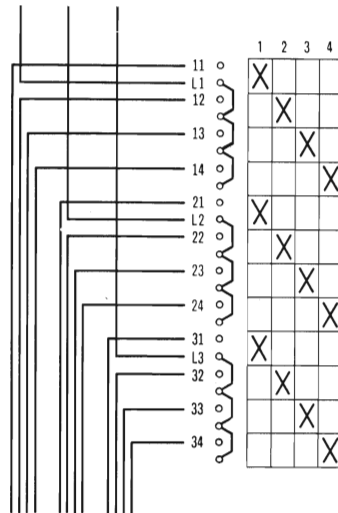
FS 603



**T0-5-8270**  
**T3-5-8270**



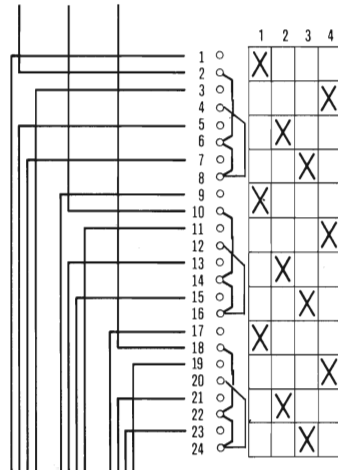
FS 404



**T0-6-15151**  
**T3-6-15151**



FS 406



**T0-6-8271**  
**T3-6-8271**

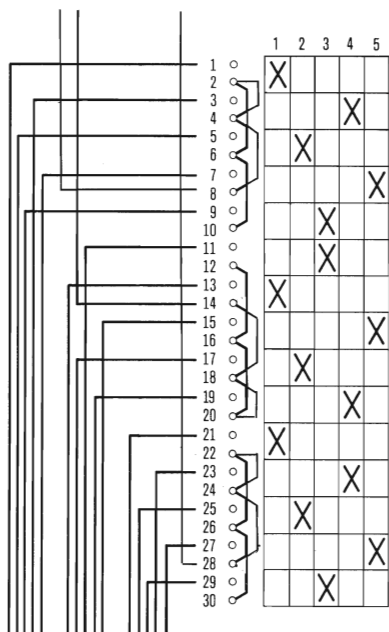


FS 406

Pole  
Poles  
Pôles

3

ohne Nullstellung  
without "OFF" position  
sans position zéro



T0-8-8272  
T3-8-8272

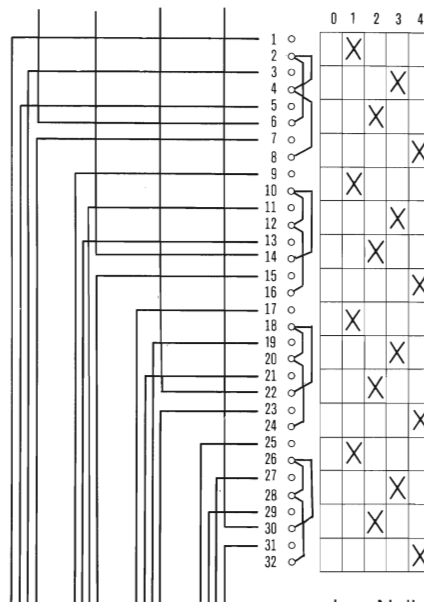


FS 408

Pole  
Poles  
Pôles

4

mit Nullstellung  
with "OFF" position  
avec position zéro



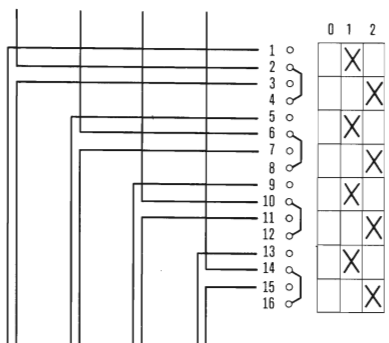
T0-8-8482  
T3-8-8482



FS 422

mit Nullstellung  
with "OFF" position  
avec position zéro

4



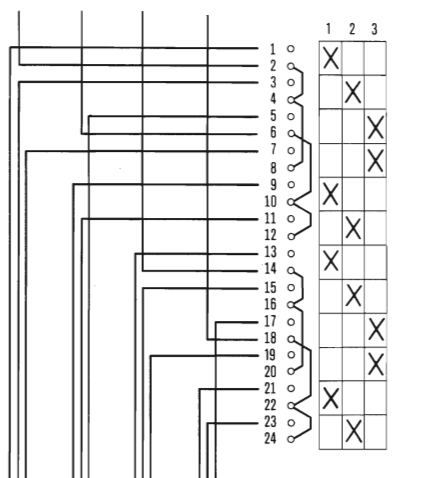
T0-4-8480  
T3-4-8480



FS 644

4

ohne Nullstellung  
without "OFF" position  
sans position zéro

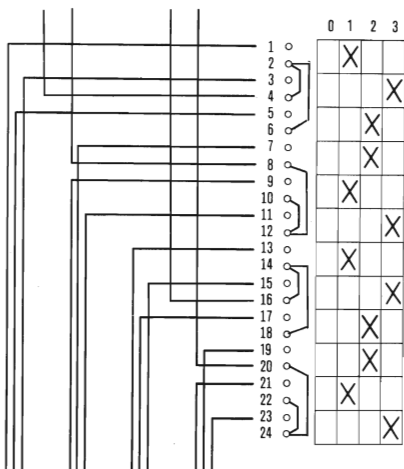


T0-6-8476  
T3-6-8476



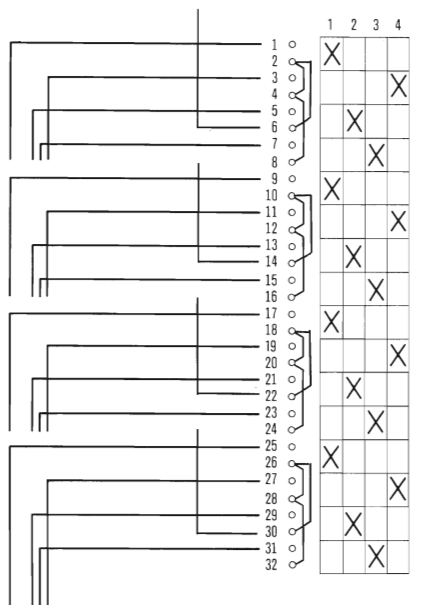
FS 604

T0-6-8481  
T3-6-8481



FS 420

T0-8-8477  
T3-8-8477

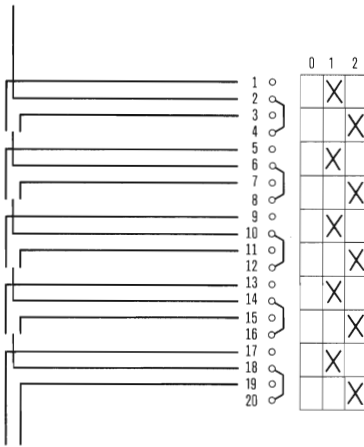


FS 406

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

4



**T0-5-8486**  
**T3-5-8486**

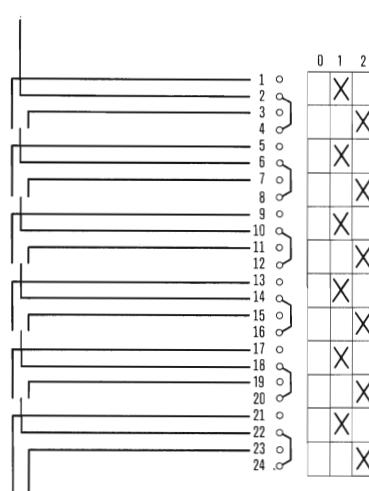


FS 418

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

6

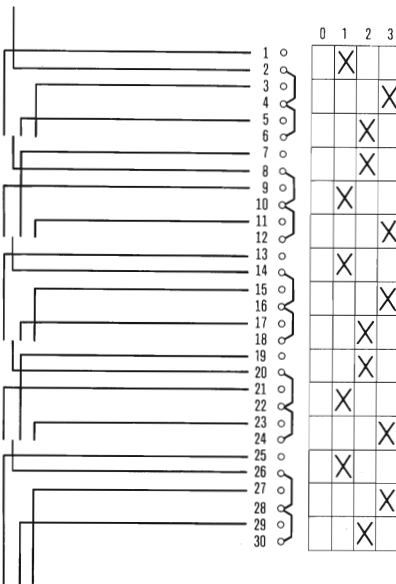


**T0-6-8491**  
**T3-6-8491**



FS 614

5

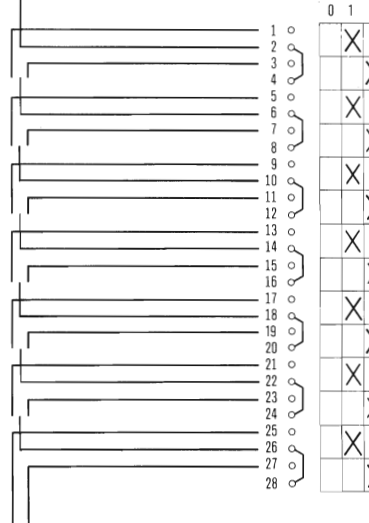


**T0-8-8487**  
**T3-8-8487**



FS 420

7



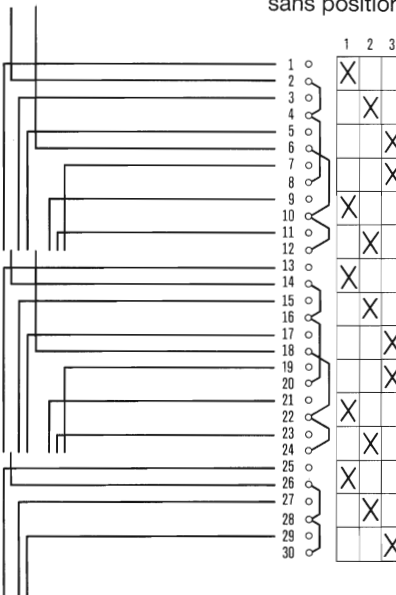
**T0-7-8495**  
**T3-7-8495**



FS 614

5

ohne Nullstellung  
without "OFF" position  
sans position zéro

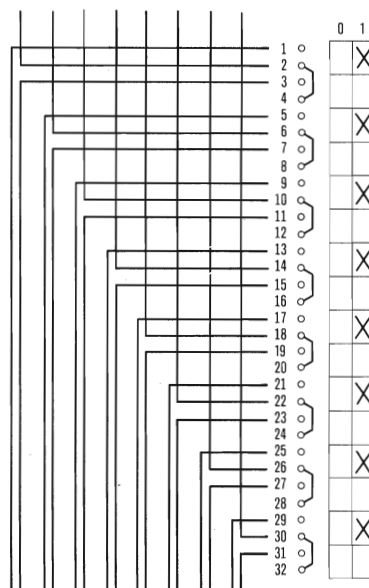


**T0-8-8484**  
**T3-8-8484**



FS 604

8



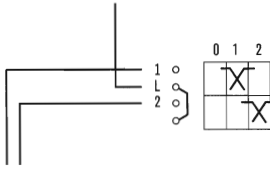
**T0-8-8498**  
**T3-8-8498**



FS 644

**Pole**  
Poles  
Pôles

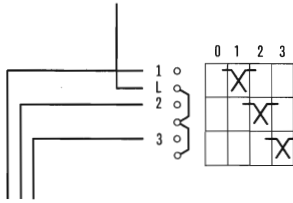
**1**



**T0-1-15023**  
**T3-1-15023**



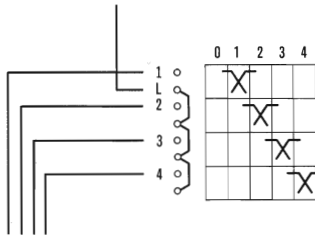
FS 418



**T0-2-15024**  
**T3-2-15024**



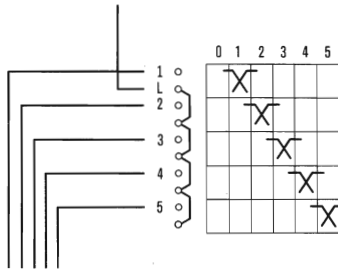
FS 420



**T0-2-15025**  
**T3-2-15025**



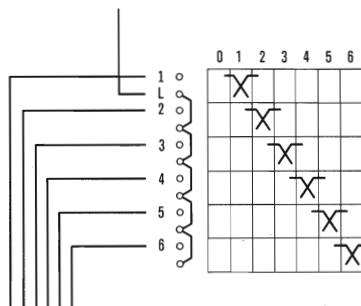
FS 422



**T0-3-15026**  
**T3-3-15026**



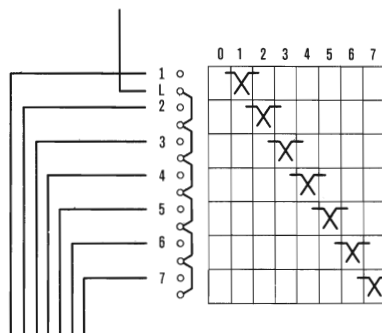
FS 424



**T0-3-15027**  
**T3-3-15027**



FS 426



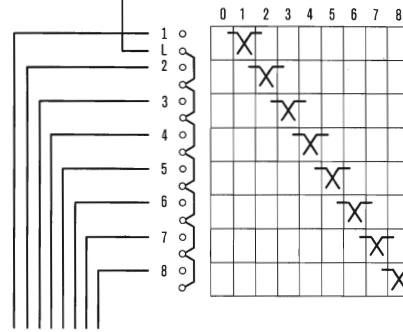
**T0-4-15028**  
**T3-4-15028**



FS 428

**Pole**  
Poles  
Pôles

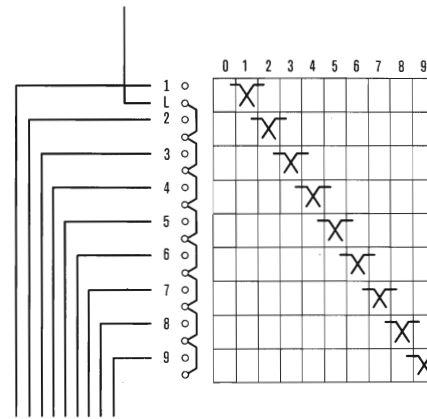
**1**



**T0-4-15223**  
**T3-4-15223**



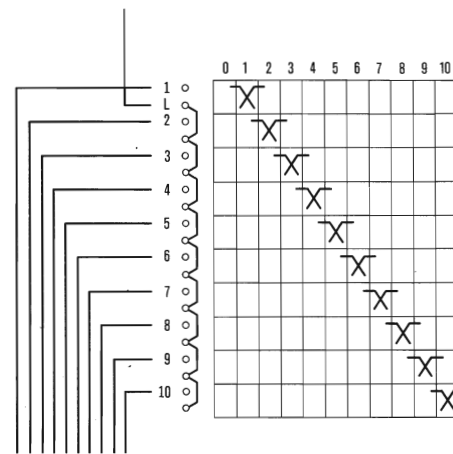
FS 313



**T0-5-15224**  
**T3-5-15224**



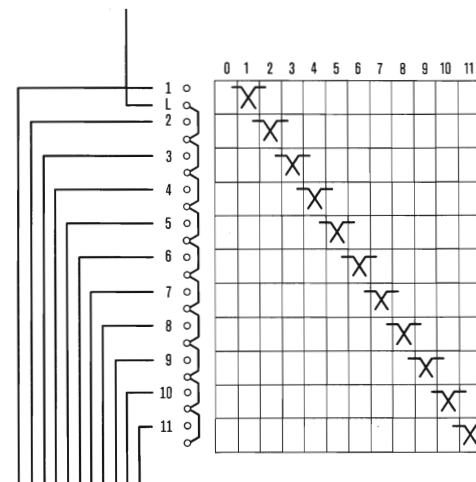
FS 312



**T0-5-15225**  
**T3-5-15225**



FS 311



**T0-6-15226**  
**T3-6-15226**



FS 310

Rundschaltung  
Complete rotation  
Commutation  
sans butée

# Stufenschalter

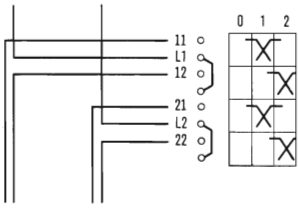
Step switches  
Commutateurs à gradins

Unterbrechungslose Umschaltung  
With non-interrupted changeover  
Sans coupure à la commutation

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

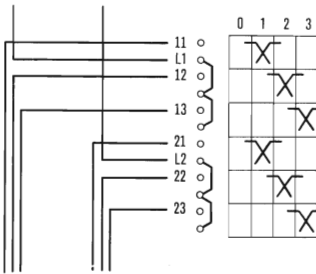
2



**T0-2-15029**  
**T3-2-15029**



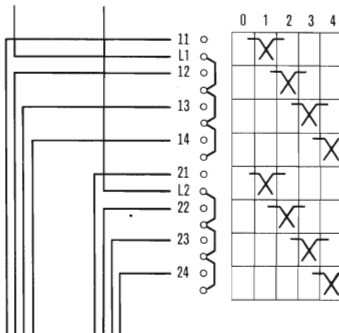
FS 418



**T0-3-15030**  
**T3-3-15030**



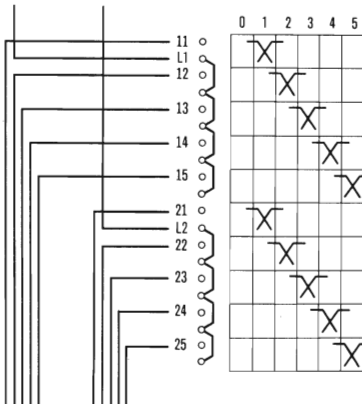
FS 420



**T0-4-15031**  
**T3-4-15031**



FS 422



**T0-5-15032**  
**T3-5-15032**

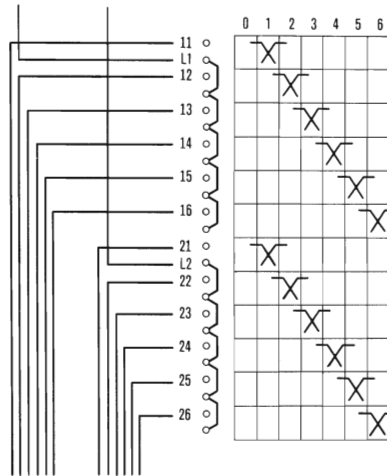


FS 424

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

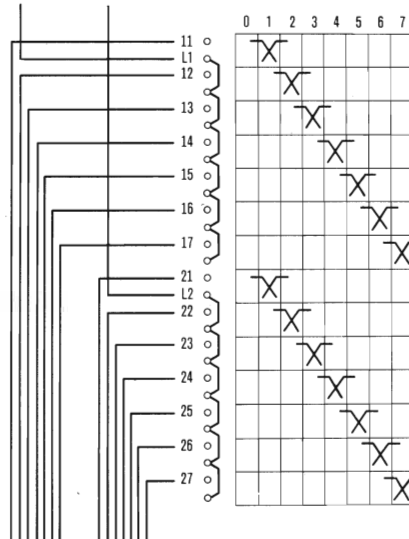
2



**T0-6-15033**  
**T3-6-15033**



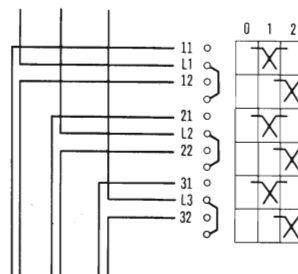
FS 426



**T0-7-15034**  
**T3-7-15034**



FS 428



**T0-3-15035**  
**T3-3-15035**

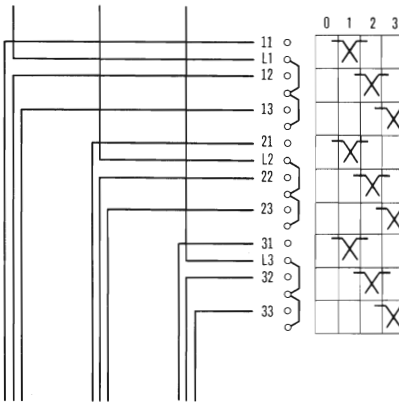


FS 418

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

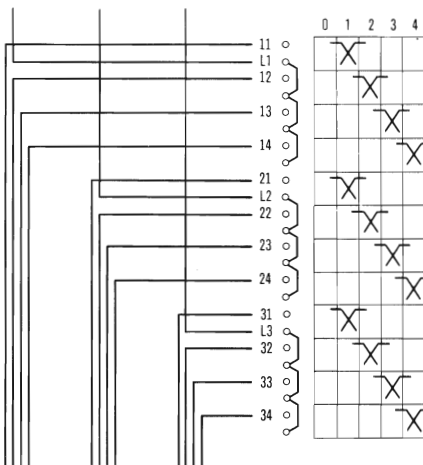
3



**T0-5-15036**  
**T3-5-15036**



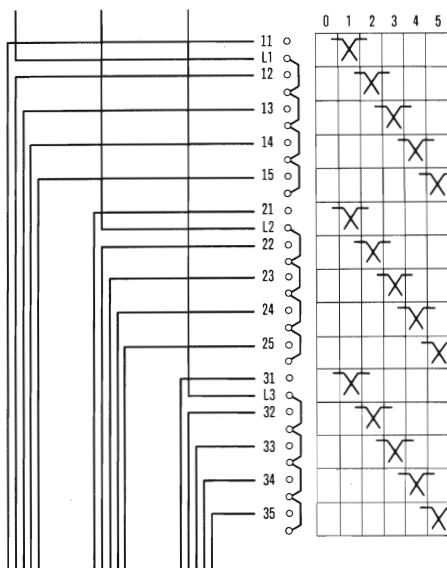
FS 420



**T0-6-15037**  
**T3-6-15037**



FS 422



**T0-8-15038**  
**T3-8-15038**

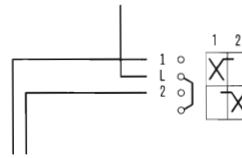


FS 424

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

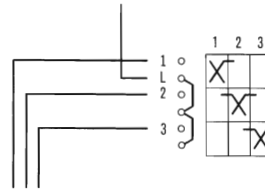
3



**T0-1-15002**  
**T3-1-15002**



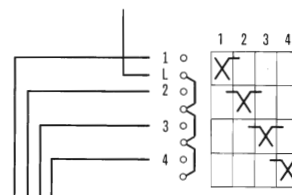
FS 402



**T0-2-15003**  
**T3-2-15003**



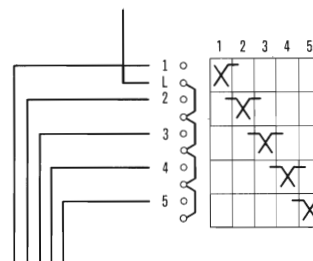
FS 404



**T0-2-15004**  
**T3-2-15004**



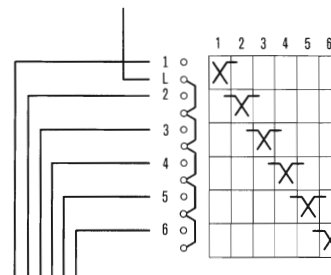
FS 406



**T0-3-15005**  
**T3-3-15005**



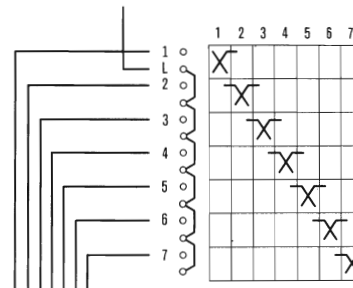
FS 408



**T0-3-15006**  
**T3-3-15006**



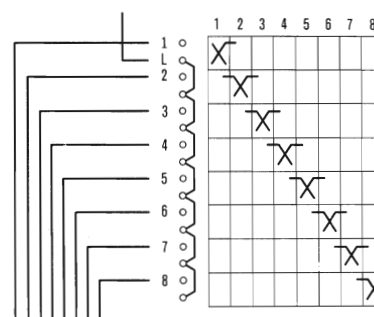
FS 410



**T0-4-15007**  
**T3-4-15007**



FS 412



**T0-4-15008**  
**T3-4-15008**



FS 414

# Stufenschalter

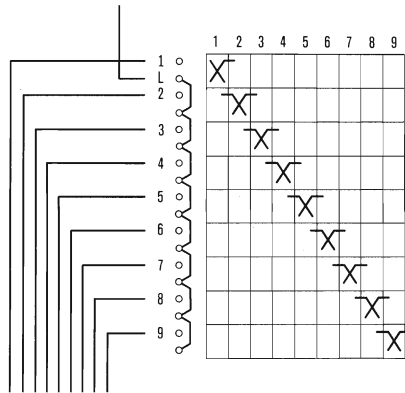
Step switches  
Commutateurs à gradins

Unterbrechungslose Umschaltung  
With non-interrupted changeover  
Sans coupure à la commutation

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

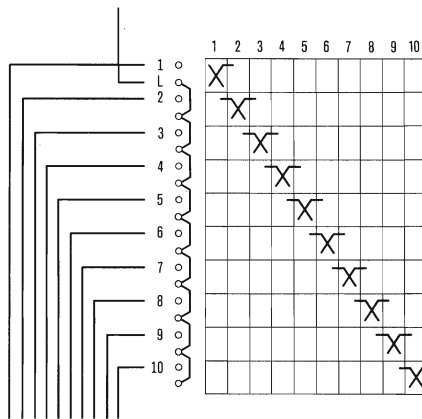
1



**T0-5-15227**  
**T3-5-15227**



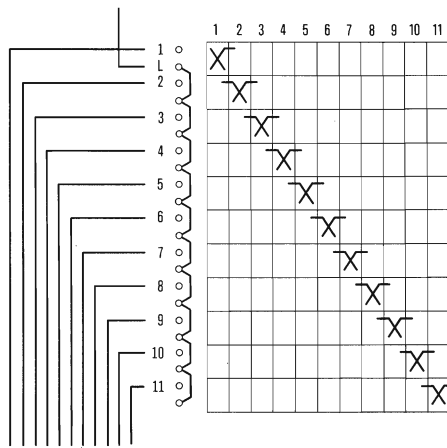
FS 304



**T0-5-15228**  
**T3-5-15228**



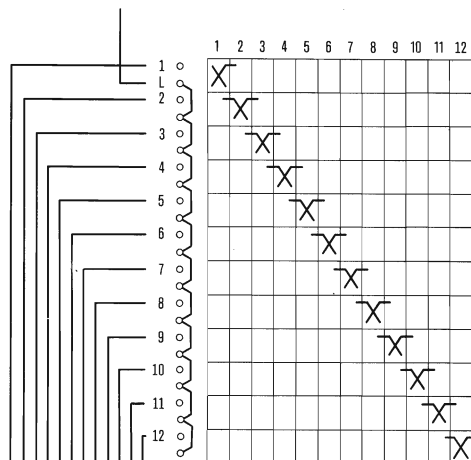
FS 303



**T0-6-15229**  
**T3-6-15229**



FS 302



**T0-6-15230**  
**T3-6-15230**



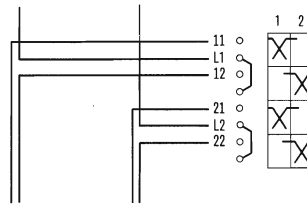
FS 301

Rundschtaltung  
Complete rotation  
Commutation  
sans butée

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

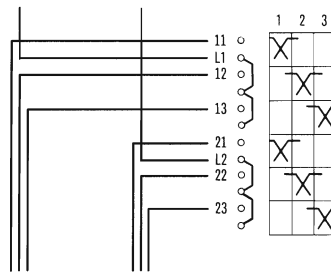
2



**T0-2-15009**  
**T3-2-15009**



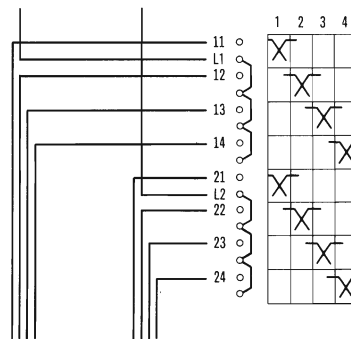
FS 402



**T0-3-15010**  
**T3-3-15010**



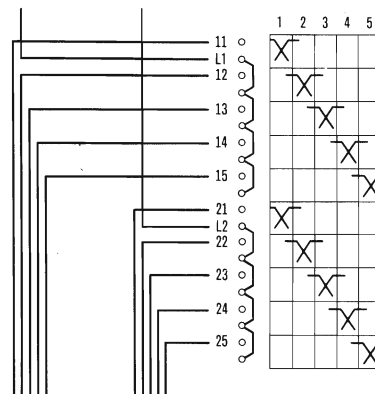
FS 404



**T0-4-15011**  
**T3-4-15011**



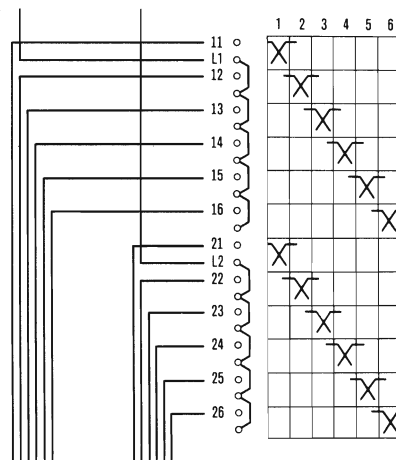
FS 406



**T0-5-15012**  
**T3-5-15012**



FS 408



**T0-6-15013**  
**T3-6-15013**



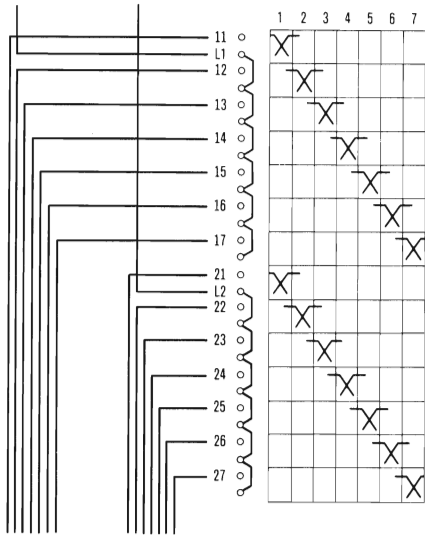
FS 410



Pole  
Poles  
Pôles

2

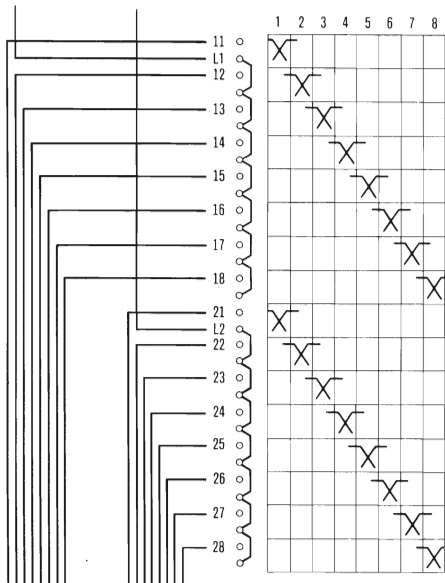
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-7-15014**  
**T3-7-15014**



FS 412

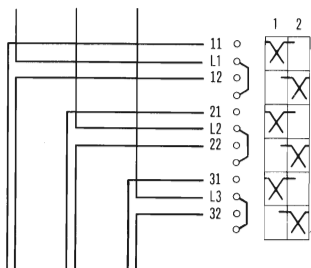


**T0-8-15015**  
**T3-8-15015**



FS 414

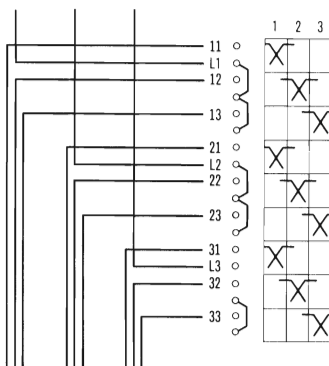
3



**T0-3-15016**  
**T3-3-15016**



FS 42



**T0-5-15017**  
**T3-5-15017**

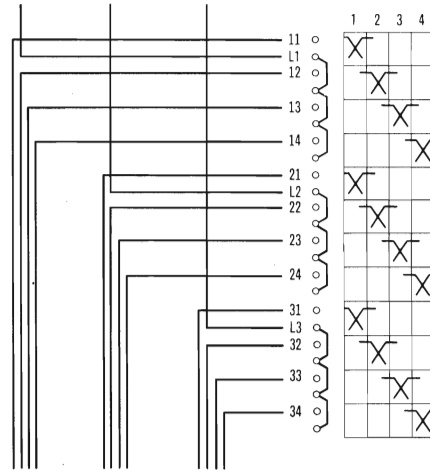


FS 404

Pole  
Poles  
Pôles

3

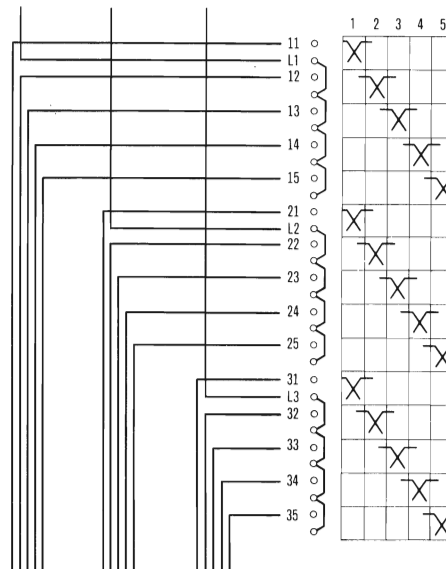
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T0-6-15018**  
**T3-6-15018**



FS 406



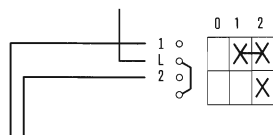
**T0-8-15019**  
**T3-8-15019**



FS 406

**Pole**  
Poles  
Pôles

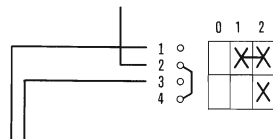
1



**T0-1-170**  
**T3-1-170**



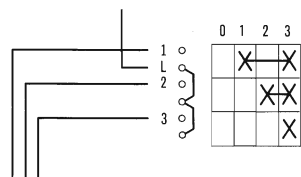
FS 418



**T0-1-8310**  
**T3-1-8310**



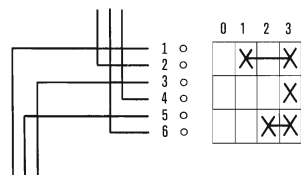
FS 418



**T0-2-171**  
**T3-2-171**



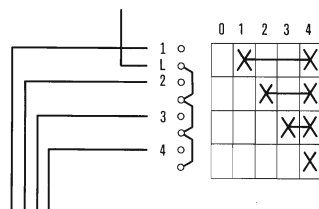
FS 420



**T0-2-8311**  
**T3-2-8311**



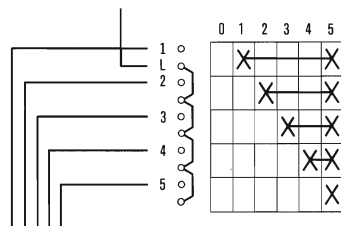
FS 420



**T0-2-172**  
**T3-2-172**



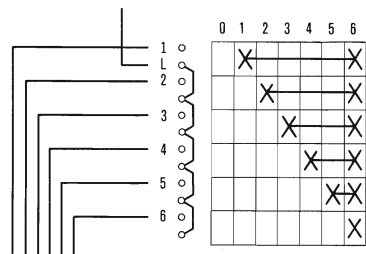
FS 422



**T0-3-173**  
**T3-3-173**



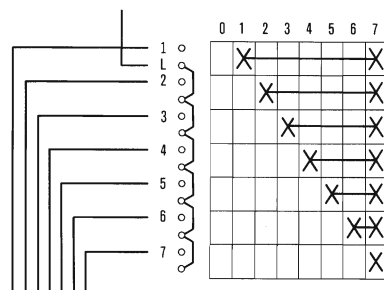
FS 424



**T0-3-174**  
**T3-3-174**



FS 426



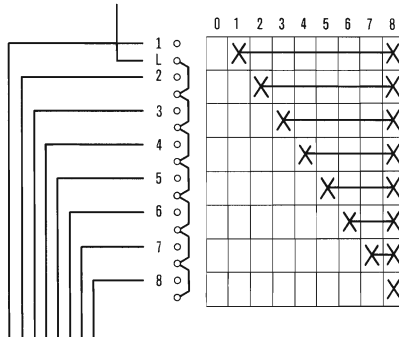
**T0-4-175**  
**T3-4-175**



FS 428

**Pole**  
Poles  
Pôles

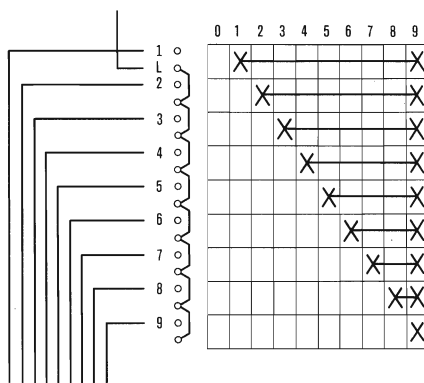
1



**T0-4-15215**  
**T3-4-15215**



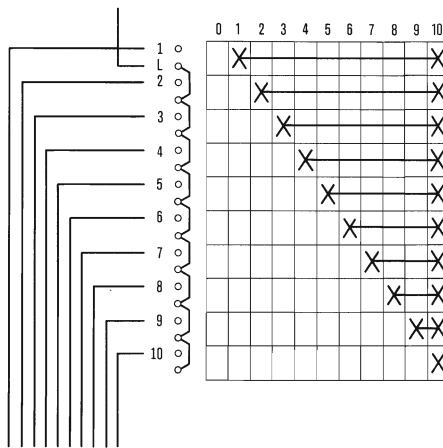
FS 313



**T0-5-15216**  
**T3-5-15216**



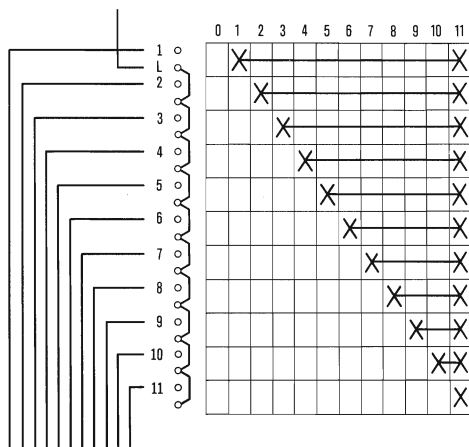
FS 312



**T0-5-15217**  
**T3-5-15217**



FS 311



**T0-6-15218**  
**T3-6-15218**

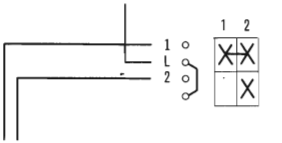


FS 310

mit Rund-  
schaltung  
Complete  
rotation  
Commutation  
sans butée

Pole  
Poles  
Pôles

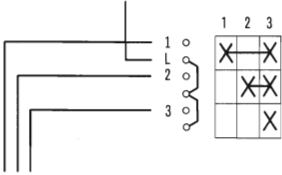
1



**T0-1-176**  
**T3-1-176**



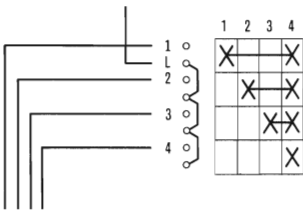
FS 402



**T0-2-177**  
**T3-2-177**



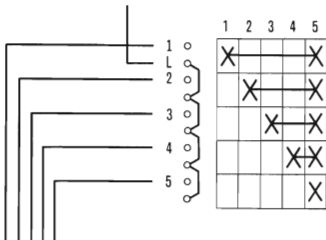
FS 404



**T0-2-178**  
**T3-2-178**



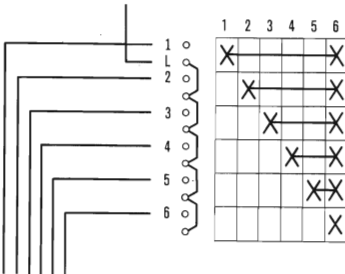
FS 406



**T0-3-179**  
**T3-3-179**



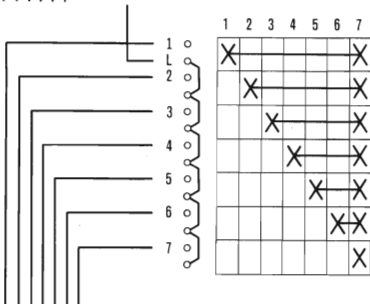
FS 408



**T0-3-180**  
**T3-3-180**



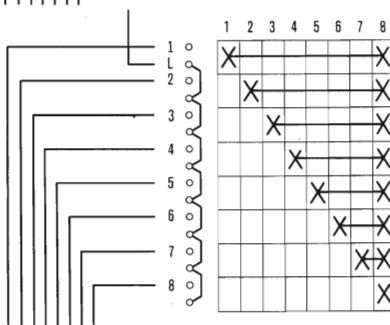
FS 410



**T0-4-181**  
**T3-4-181**



FS 412



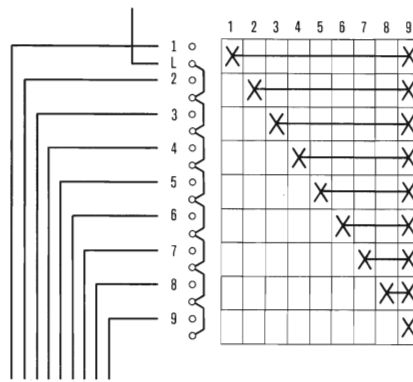
**T0-4-182**  
**T3-4-182**



FS 414

Pole  
Poles  
Pôles

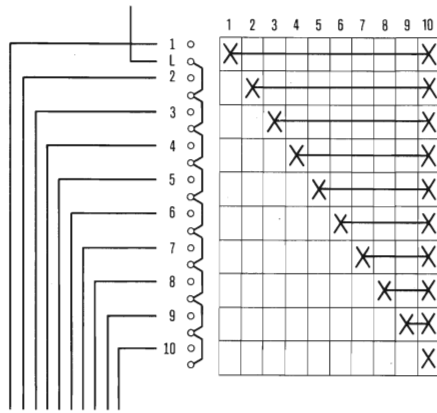
1



**T0-5-15219**  
**T3-5-15219**



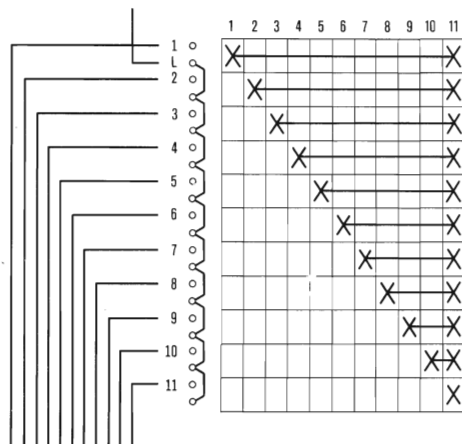
FS 304



**T0-5-15220**  
**T3-5-15220**



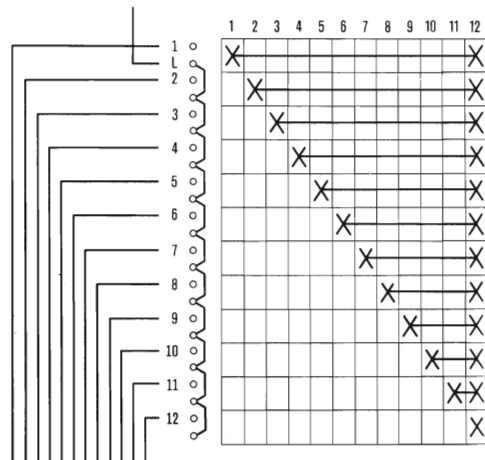
FS 303



**T0-6-15221**  
**T3-6-15221**



FS 302



**T0-6-15222**  
**T3-6-15222**



FS 301

mit Rund-  
schaltung  
Complete  
rotation  
Commutation  
sans butée

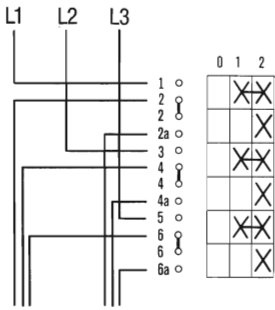
# Stufenschalter

Step switches  
Commutateurs à gradins

mit Nullstellung  
with "OFF" position  
avec position zéro

Pole  
Poles  
Pôles

3

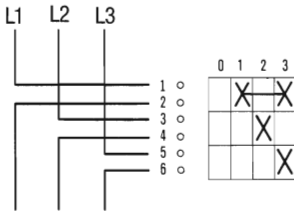


**T0-3-15069**  
**T3-3-15069**



FS 644

3

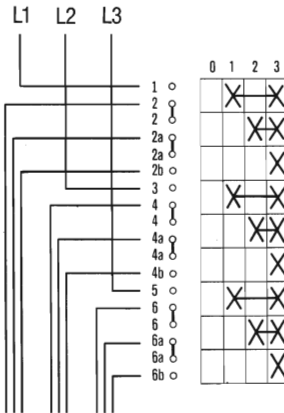


**T0-2-8871**  
**T3-2-8871**



FS 419

3

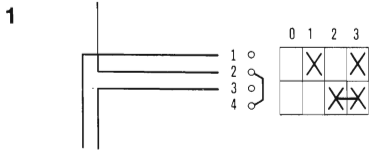


**T0-5-15070**  
**T3-5-15070**



FS 420

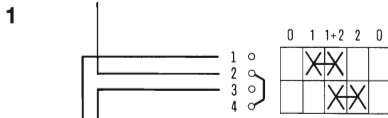
Pole  
Poles  
Pôles



**T0-1-8330**  
**T3-1-8330**



FS 420

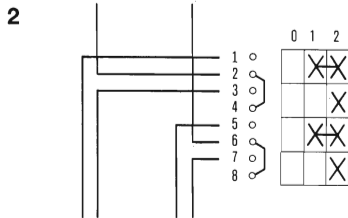


**T0-1-15113**  
**T3-1-15113**



FS 193840

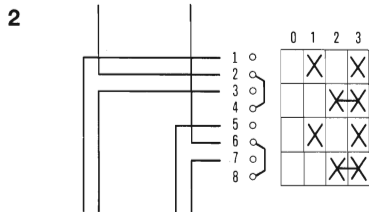
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens



**T0-2-8312**  
**T3-2-8312**



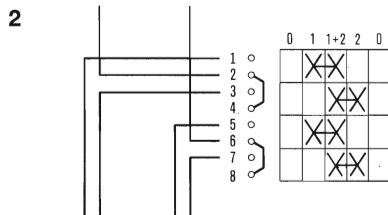
FS 418



**T0-2-8331**  
**T3-2-8331**



FS 420

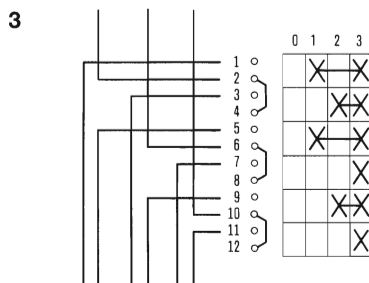


**T0-2-15114**  
**T3-2-15114**



FS 193840

Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

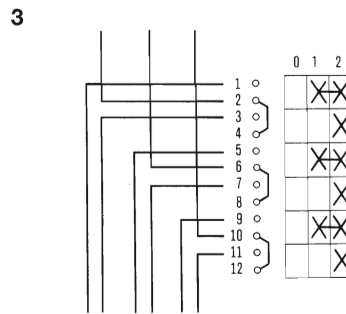


**T0-3-8313**  
**T3-3-8313**



FS 420

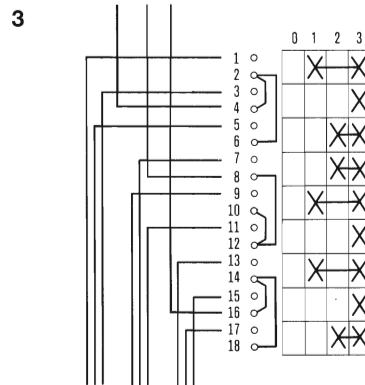
Pole  
Poles  
Pôles



**T0-3-8314**  
**T3-3-8314**



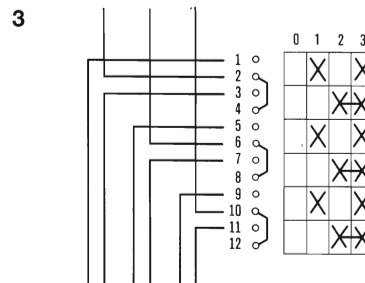
FS 418



**T0-5-8315**  
**T3-5-8315**



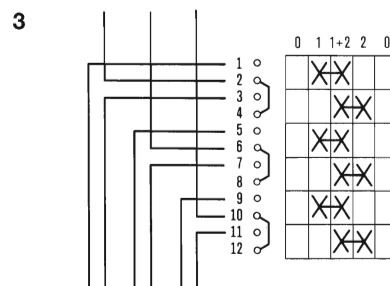
FS 420



**T0-3-8332**  
**T3-3-8332**



FS 420

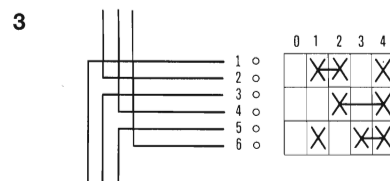


**T0-3-15115**  
**T3-3-15115**



FS 193840

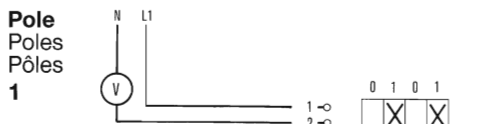
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens



**T0-3-8340**  
**T3-2-8340**



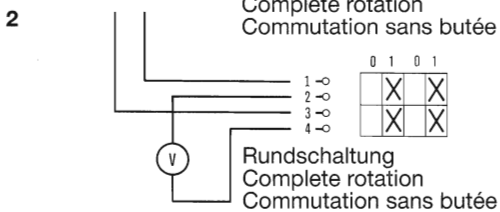
FS 422



**T0-1-8001**  
**T3-1-8001**



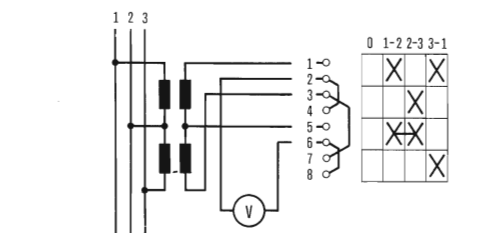
FS 925



**T0-1-8002**  
**T3-1-8002**



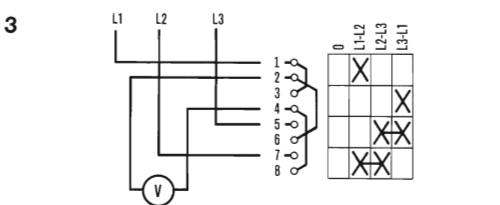
FS 925



**T0-2-8011**  
**T3-2-8011**



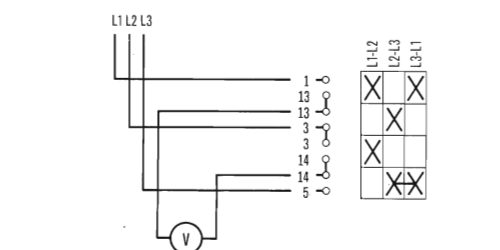
FS 4842



**T0-2-15920**  
**T3-2-15920**



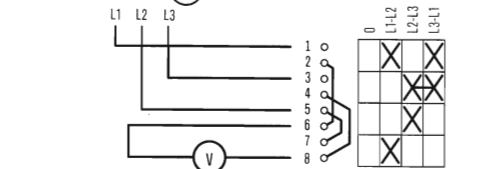
FS 1410755



**T0-2-14**  
**T3-2-14**



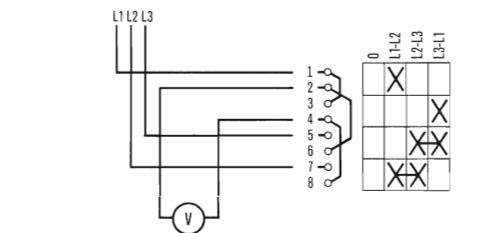
FS 1410755



**T0-2-15176**  
**T3-2-15176**



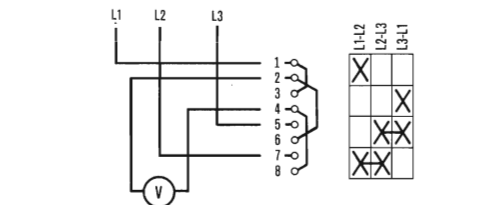
FS 194322



**T0-2-8004**  
**T3-2-8004**



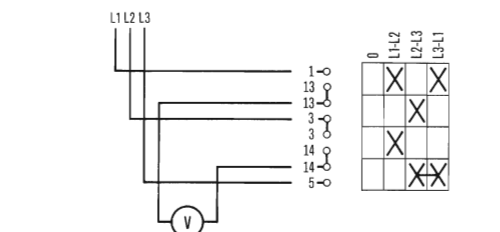
FS 1410760



**T0-2-15922**  
**T3-2-15922**



FS 164854

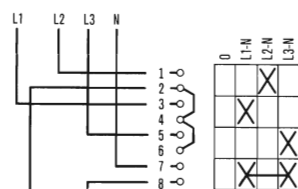


**T0-2-15918**  
**T3-2-15918**



FS 164854

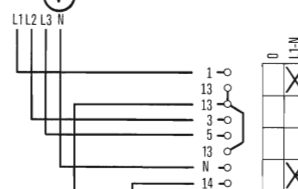
**Pole**  
Poles  
Pôles  
**3+N**



**T0-2-15921**  
**T3-2-15921**



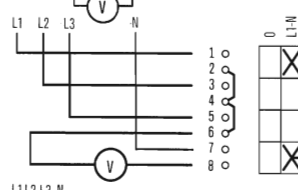
FS 1410757



**T0-2-16**  
**T3-2-16**



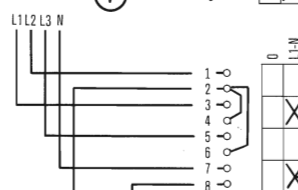
FS 1410757



**T0-2-15177**  
**T3-2-15177**



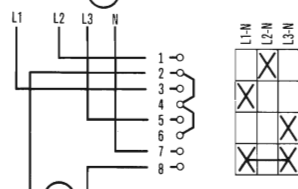
FS 194324



**T0-2-8005**  
**T3-2-8005**



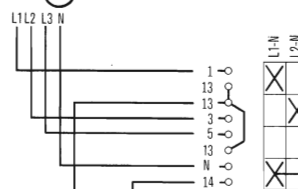
FS 1410761



**T0-2-15923**  
**T3-2-15923**



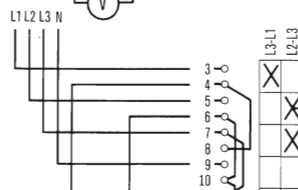
FS 164855



**T0-2-15919**  
**T3-2-15919**



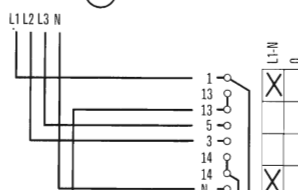
FS 164855



**T0-3-8010**  
**T3-3-8010**



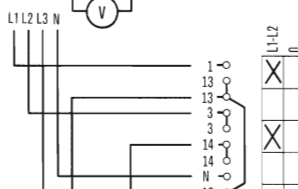
FS 1410764



**T0-3-15**  
**T3-3-15**



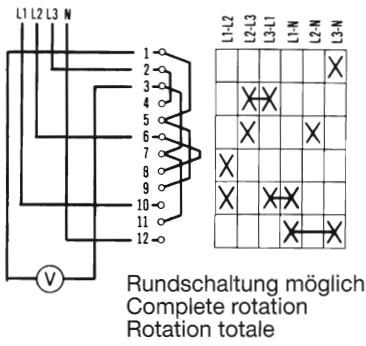
FS 1410756



**T0-3-17**  
**T3-3-17**



FS 1410758

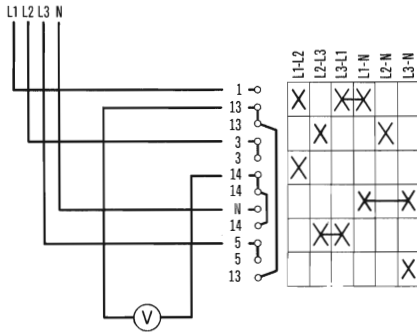


**T0-3-15924**  
**T3-3-15924**



FS 164721

L1-L2				
L2-L3	X	X		
L3-L1	X		X	
L1-N				X
L2-N		X	X	
L3-N				X

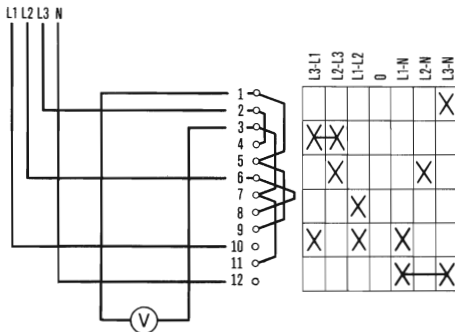


**T0-3-15916**  
**T3-3-15916**



FS 164721

L1-L2	X	X	X	
L2-L3	X		X	
L3-L1	X			X
L1-N				X
L2-N		X	X	
L3-N				X

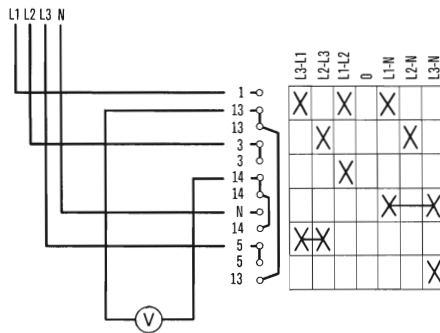


**T0-3-8007**  
**T3-3-8007**



FS 1410759

L3-L1					
L2-L3	X	X			
L1-L2	X		X		
L1-N					X
L2-N		X	X		
L3-N					X

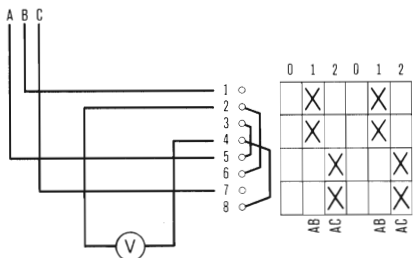


**T0-3-19**  
**T3-3-19**



FS 1410759

L3-L1	X	X	X		
L2-L3	X		X		
L1-L2	X				X
L1-N					X
L2-N		X	X		
L3-N					X

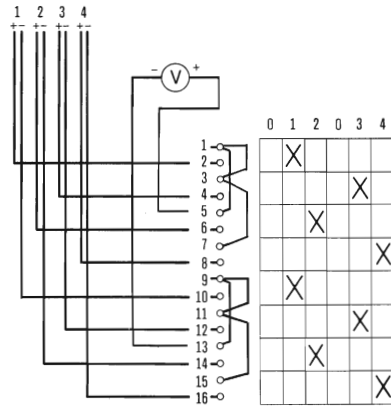


**T0-2-8003**  
**T3-2-8003**



FS 640

0	1	2	0	1	2
AB	X		X		
AC	X			X	
AB		X			X
AC		X			X

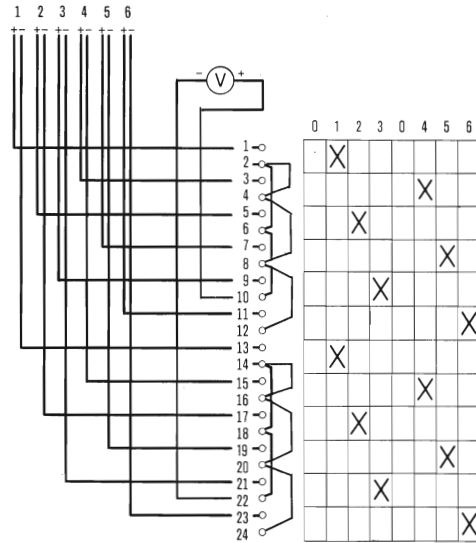


**T0-4-8006**  
**T3-4-8006**



FS 653

0	1	2	0	3	4
	X			X	
		X			
			X		
	X				X
				X	
					X

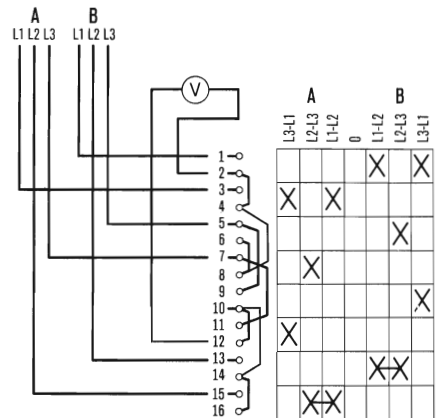


**T0-6-8009**  
**T3-6-8009**



FS 4701

0	1	2	3	0	4	5	6
	X				X		
		X				X	
			X				X
	X						X
				X			
					X		
		X					X
						X	
							X

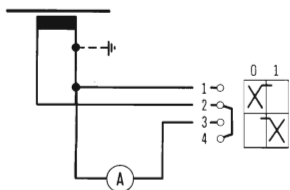


**T0-4-8008**  
**T3-4-8008**



FS 1410763

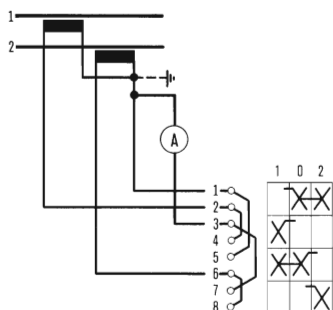
A	B				
L3-L1					
L2-L3	X	X			
L1-L2	X		X		
L1-L2				X	
L2-L3					X
L3-L1					
		X	X		



**T0-1-8046**  
**T3-1-8046**



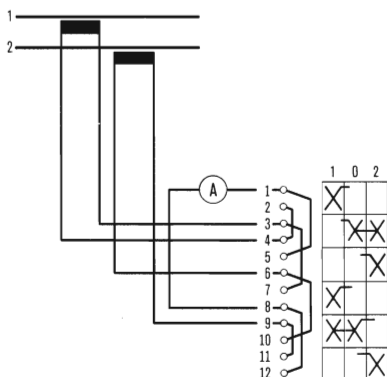
FS 907



**T0-2-8047**  
**T3-2-8047**



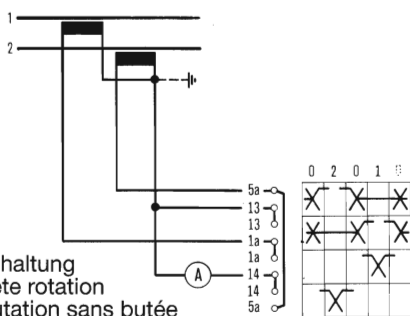
FS 953



**T0-3-8037**  
**T3-3-8037**



FS 953

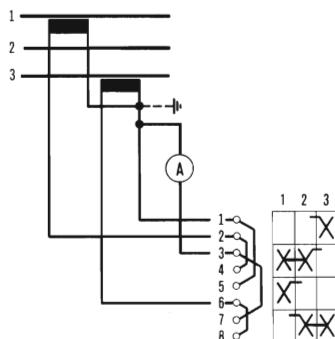


**T0-2-15170**  
**T3-2-15170**



FS 9441

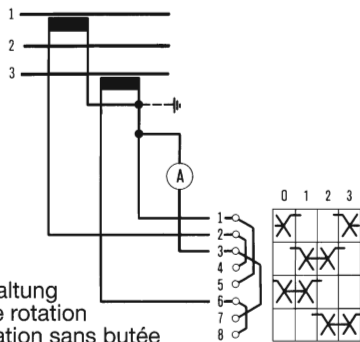
Rundschtaltung  
Complete rotation  
Commutation sans butée



**T0-2-8018**  
**T3-2-8018**



FS 904

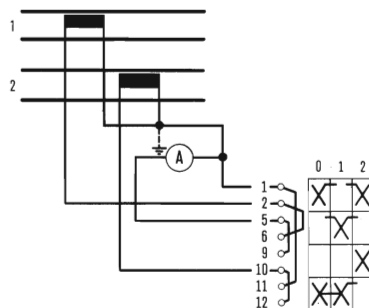


**T0-2-8021**  
**T3-2-8021**



FS 911

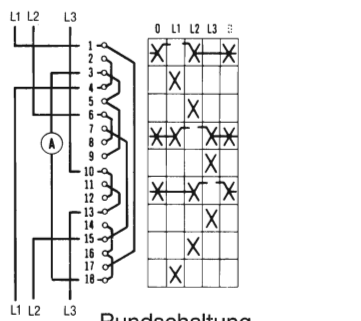
Rundschtaltung  
Complete rotation  
Commutation sans butée



**T0-2-8020**  
**T3-2-8020**



FS 910

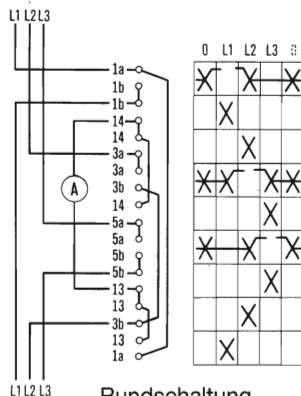


**T0-5-15925**  
**T3-5-15925**



FS 9440

Rundschtaltung  
möglich



**T0-5-183**  
**T3-5-183**

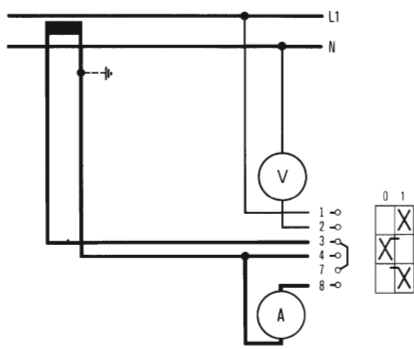


FS 9440

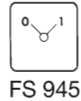
Rundschtaltung  
Complete rotation  
Commutation sans butée



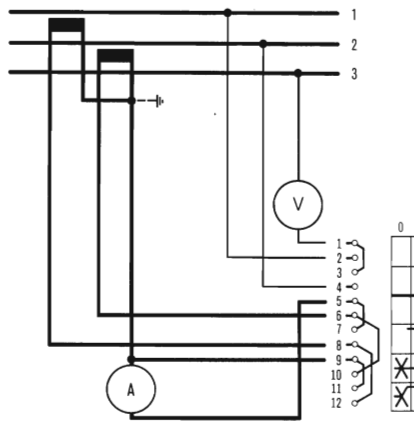




**T0-2-8032**  
**T3-2-8032**



FS 945



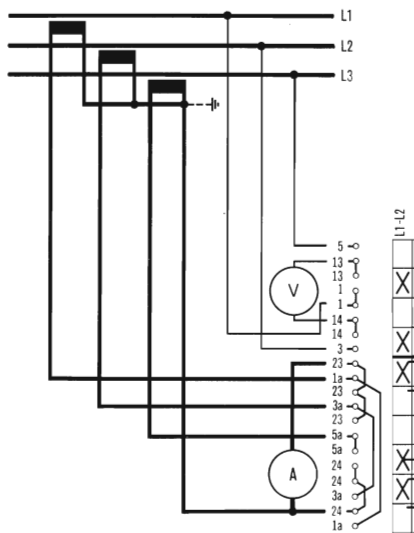
**T0-3-8030**  
**T3-3-8030**



FS 928



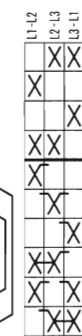
Stellung Position	Spannung Voltage Tension	Strom Current Courant	Rundschtaltung möglich Complete rotation possible Commutation sans butée possible
1	1-3	1	
2	2-3	2	



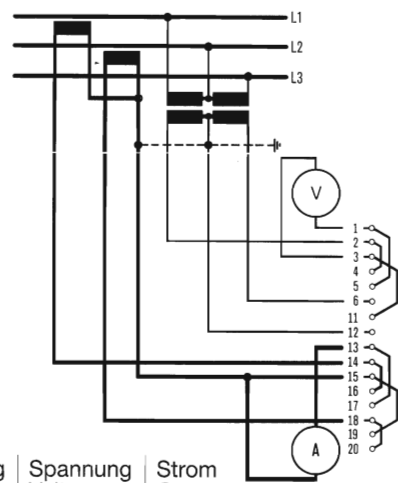
**T0-5-15172**  
**T3-5-15172**



FS 193085



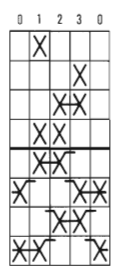
Stellung Position	Spannung Voltage Tension	Strom Current Courant
L1-L2	L1-L2	L1
L2-L3	L2-L3	L2
L3-L1	L3-L1	L3



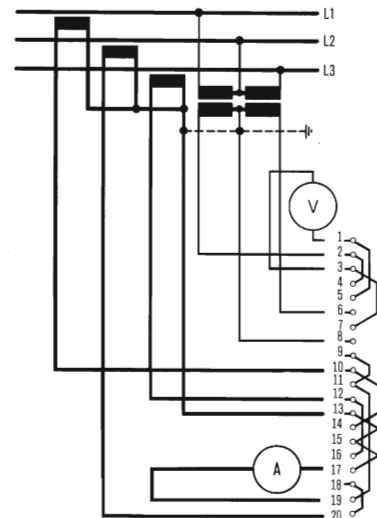
**T0-4-8031**  
**T3-4-8031**



FS 911



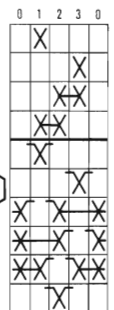
Stellung Position	Spannung Voltage Tension	Strom Current Courant	Rundschtaltung Complete rotation Commutation sans butée
1	L1-L2	L1	
2	L2-L3	L1+L2	
3	L3-L1	L2	



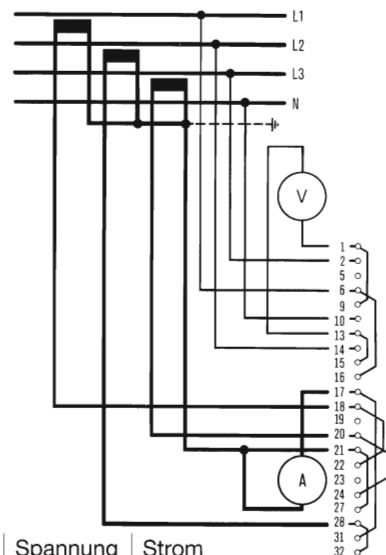
**T0-5-15178**  
**T3-5-15178**



FS 911



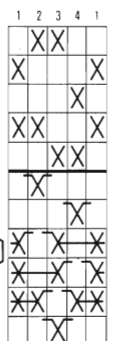
Stellung Position	Spannung Voltage Tension	Strom Current Courant	Rundschtaltung möglich Complete rotation possible Commutation sans butée possible
1	L1-L2	L1	
2	L2-L3	L2	
3	L3-L1	L3	



**T0-6-8034**  
**T3-6-8034**



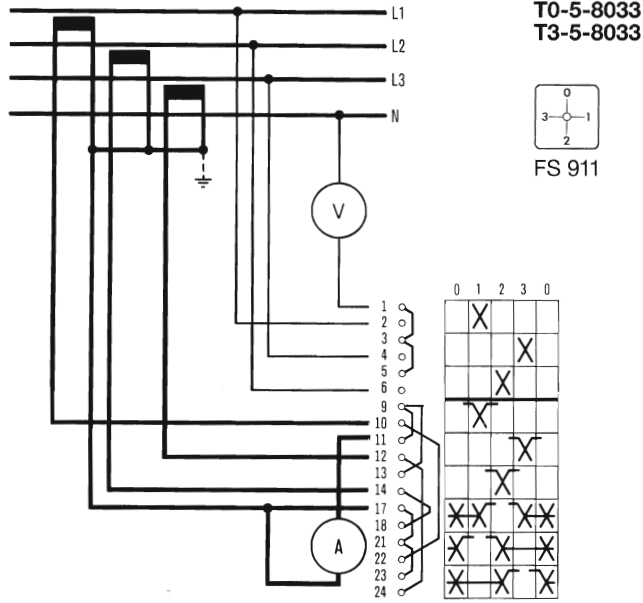
FS 906



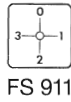
Stellung Position	Spannung Voltage Tension	Strom Current Courant	Rundschtaltung möglich Complete rotation possible Commutation sans butée possible
1	L1-L2	-	
2	L2-L3	L1	
3	L3-L1	L2	
4	L1-N	L3	

# Spannungs-Strommesser-Schalter

Voltmeter-ammeter selector switches  
Commutateurs d'ampèremètre et de voltmètre



T0-5-8033  
T3-5-8033

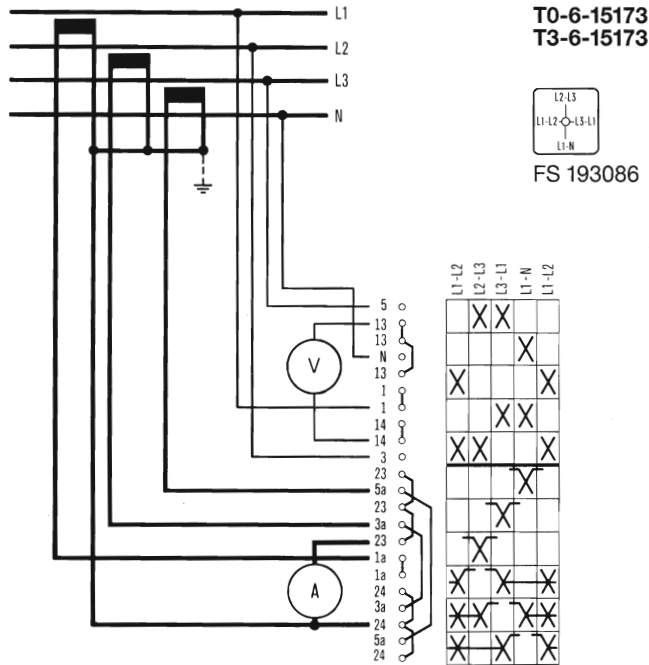


FS 911

	0	1	2	3	0
1		X			
2			X		
3				X	
4					X
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					

Rundschtaltung möglich  
Complete rotation possible  
Commutation sans butée possible

Stellung Position Position	Spannung Voltage Tension	Strom Current Courant
1	L1-N	L1
2	L2-N	L2
3	L3-N	L3



T0-6-15173  
T3-6-15173



FS 193086

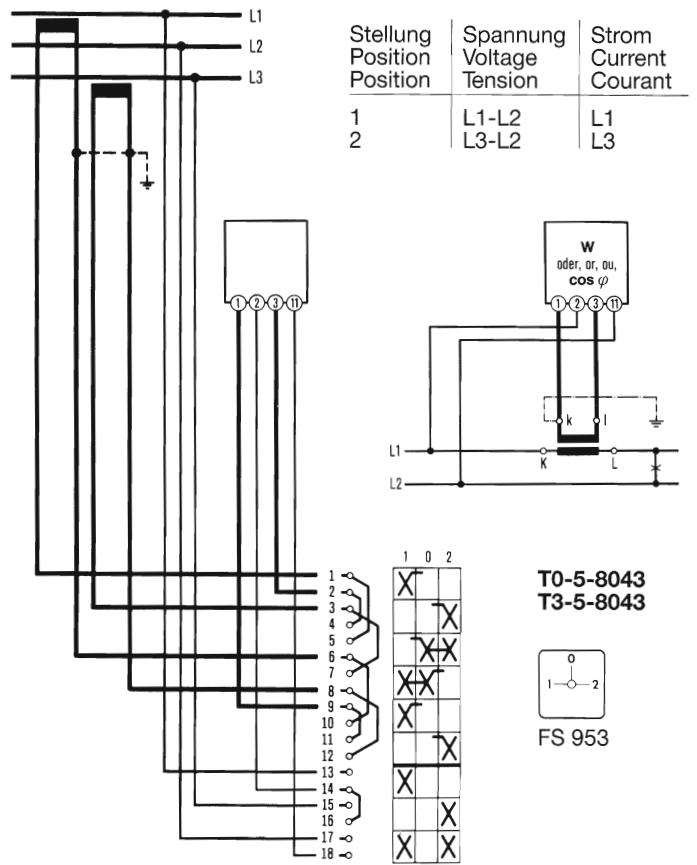
	12-13	11-12-13-11	11-N
5			
13		X	
13			X
1			
1		X	
14			X
14		X	
3			
3		X	
23			X
23		X	
23			
23		X	
1a			
1a		X	
24			X
24		X	
24			X
24		X	
5a			
5a		X	
24			X
24		X	
24			X
24		X	

Rundschtaltung möglich  
Complete rotation possible  
Commutation sans butée possible

Stellung Position Position	Spannung Voltage Tension	Strom Current Courant
L1-L2	L1-L2	-
L2-L3	L2-L3	L1
L3-L1	L3-L1	L2
L1-N	L1-N	L3

# Leistungsfaktormesser-Umschalter

Power factor selector switches  
Commutateurs de mesure de  $\cos \varphi$



Stellung Position Position	Spannung Voltage Tension	Strom Current Courant
1	L1-L2	L1
2	L3-L2	L3

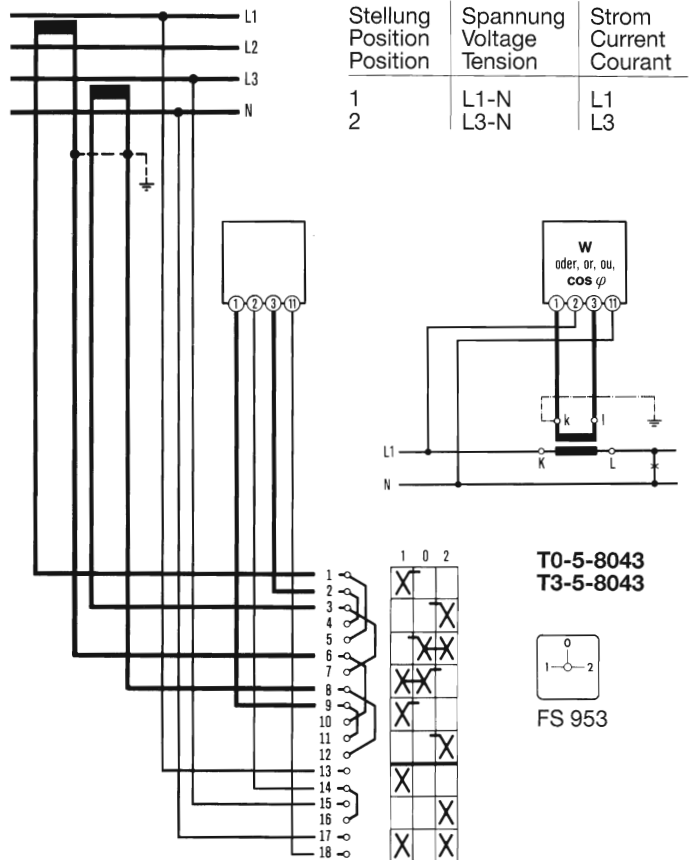
T0-5-8043  
T3-5-8043



FS 953

# Leistungsmesser-Umschalter

Wattmeter selector switch  
Commutateurs de wattmètre



Stellung Position Position	Spannung Voltage Tension	Strom Current Courant
1	L1-N	L1
2	L3-N	L3

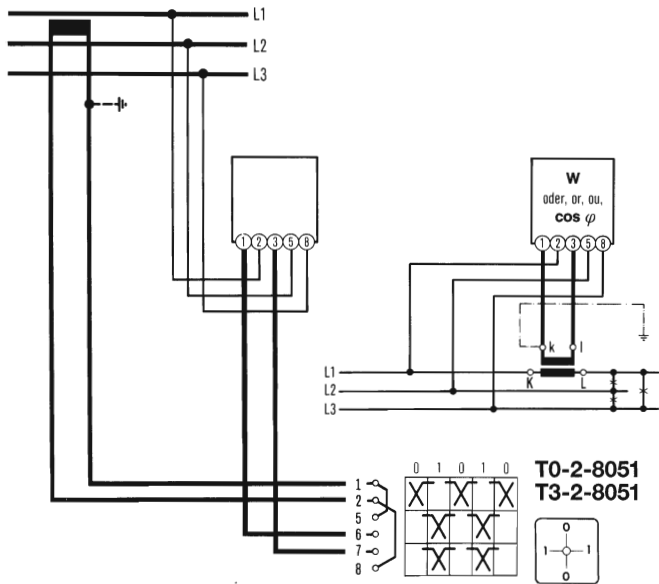
T0-5-8043  
T3-5-8043



FS 953

# Leistungsmesser-Umschalter

Wattmeter selector switch  
Commutateurs e wattmètre



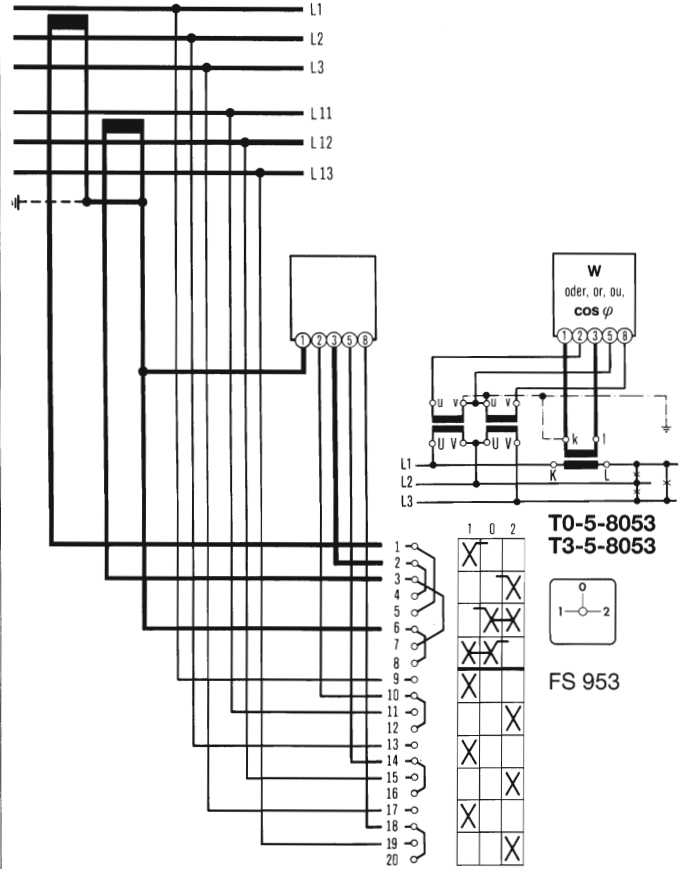
T0-2-8051  
T3-2-8051

FS 925

Rundschtaltung  
Complete rotation  
Commutation sans butée

# Leistungsfaktormesser-Umschalter

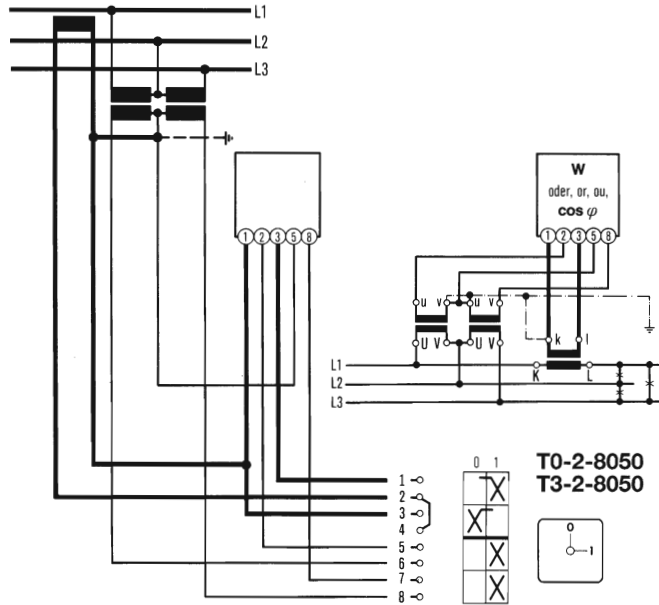
Power factor selector switches  
Commutateurs de mesure des cos φ



T0-5-8053  
T3-5-8053

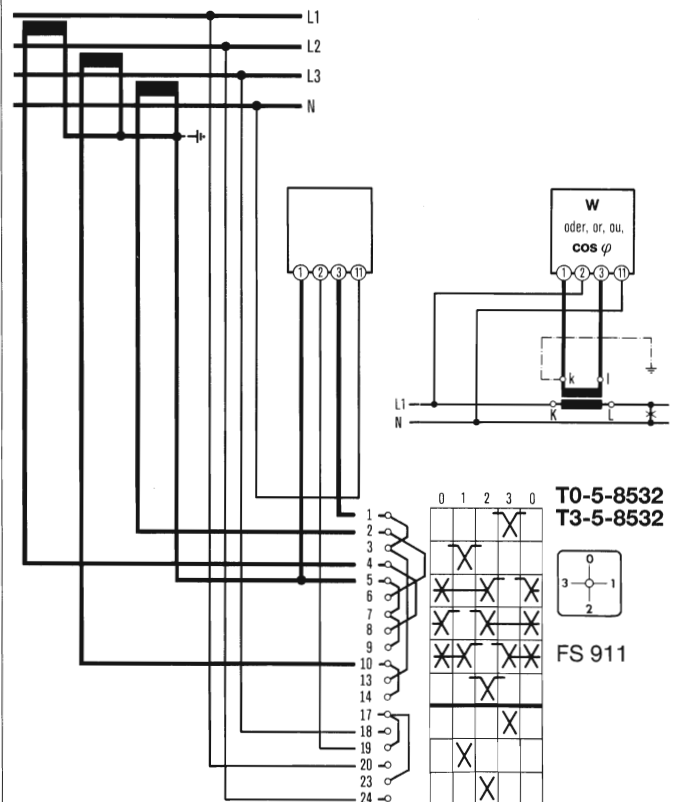
FS 953

Stellung Position	Spannung Voltage Tension	Strom Current Courant
1	L1...L3	L1
2	L11...L13	L11



T0-2-8050  
T3-2-8050

FS 907



T0-5-8532  
T3-5-8532





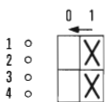

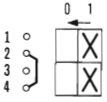

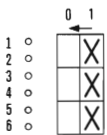

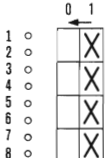



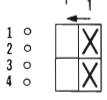

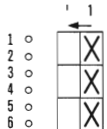

FS 911

Stellung Position	Spannung Voltage Tension	Strom Current Courant
1	L1-N	L1
2	L2-N	L2
3	L3-N	L3



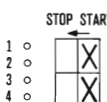

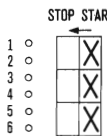

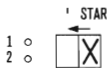

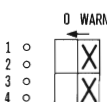



## EIN-Taster On-Off-switches Commutateurs de fermeture

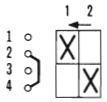

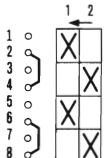

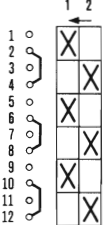

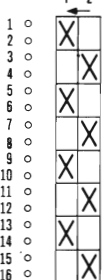

Pole  
Poles  
Pôles

1		 <p>FS 455</p>	<p><b>T0-1-8204</b> <b>T3-1-8204</b></p> <p><b>T.-.-15301</b> <b>T.-.-15076</b></p>
	alter Typ, old type, ancienne réf.		
1		 <p>FS 455</p>	<p><b>T0-1-15072</b> <b>T3-1-15072</b></p>
2		 <p>FS 455</p>	<p><b>T0-1-8205</b> <b>T3-1-8205</b></p>
	alter Typ, old type, ancienne réf.		
		 <p>FS 140805</p>	<p><b>T0-1-8124</b> <b>T3-1-8124</b></p>
3		 <p>FS 455</p>	<p><b>T0-2-8206</b> <b>T3-2-8206</b></p>
	alter Typ, old type, ancienne réf.		
4		 <p>FS 455</p>	<p><b>T0-2-8207</b> <b>T3-2-8207</b></p>
	alter Typ, old type, ancienne réf.		
1		 <p>FS 4721</p>	<p><b>T0-1-15321</b> <b>T3-1-15321</b></p>
2		 <p>FS 4721</p>	<p><b>T0-1-15322</b> <b>T3-1-15322</b></p>
3		 <p>FS 4721</p>	<p><b>T0-2-15323</b> <b>T3-2-15323</b></p>

Pole  
Poles  
Pôles

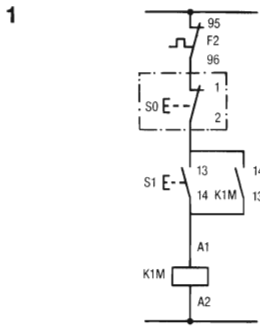
1		 <p>FS 141879</p>	<p><b>T0-1-15311</b> <b>T3-1-15311</b></p>
2		 <p>FS 141879</p>	<p><b>T0-1-15312</b> <b>T3-1-15312</b></p>
3		 <p>FS 141879</p>	<p><b>T0-2-15313</b> <b>T3-2-15313</b></p>
1		 <p>FS 14915</p>	<p><b>T0-1-8175</b> <b>T3-1-8175</b></p>
2		 <p>FS 141622</p>	<p><b>T0-1-15090</b> <b>T3-1-15090</b></p>

Umschalter mit Rückzug nach „1“  
Selector switches with spring return "1"  
Commutateurs avec retour automatique en position «1»

1		 <p>FS 496</p>	<p><b>T0-1-8295</b> <b>T3-1-8295</b></p>
2		 <p>FS 496</p>	<p><b>T0-2-8296</b> <b>T3-2-8296</b></p>
3		 <p>FS 496</p>	<p><b>T0-3-8297</b> <b>T3-3-8297</b></p>
4		 <p>FS 496</p>	<p><b>T0-4-8536</b> <b>T3-4-8536</b></p>

**EIN-Taster On-Off-switches Commutateurs de fermeture**

**Pole**  
Poles  
Pôles



**1**

1 ○  
2 ○

1 0

S0

**T0-1-15331**  
**T3-1-15331**

FS 4722

**2**

1 ○  
2 ○  
3 ○  
4 ○

1 0

**T0-1-15332**  
**T3-1-15332**

FS 4722

**2**

1 ○  
2 ○  
3 ○  
4 ○

0 1

**T0-1-8125**  
**T3-1-8125**

FS 455

**3**

1 ○  
2 ○  
3 ○  
4 ○  
5 ○  
6 ○

1 0

**T0-2-15333**  
**T3-2-15333**

FS 4722

**1**

1 ○  
2 ○

1 0

**T0-1-15351**  
**T3-1-15351**

FS 4723

**2**

1 ○  
2 ○  
3 ○  
4 ○

1 0

**T0-1-15352**  
**T3-1-15352**

FS 4723

**3**

1 ○  
2 ○  
3 ○  
4 ○  
5 ○  
6 ○

1 0

**T0-2-15353**  
**T3-2-15353**

FS 4723

**Pole**  
Poles  
Pôles

**1**

1 ○  
2 ○

START STOP

1 0

**T0-1-15341**  
**T3-1-15341**

FS 142005

**2**

1 ○  
2 ○  
3 ○  
4 ○

START STOP

1 0

**T0-1-15342**  
**T3-1-15342**

FS 142005

**3**

1 ○  
2 ○  
3 ○  
4 ○  
5 ○  
6 ○

START STOP

1 0

**T0-2-15343**  
**T3-2-15343**

FS 142005

**1**

1 ○  
2 ○

STOP 1

1 0

**T0-1-8174**  
**T3-1-8174**

FS 14913

**2**

1 ○  
2 ○  
3 ○  
4 ○

STOP 0

1 0

**T0-1-8173**  
**T3-1-8173**

FS 140130

**2**

1 ○  
2 ○  
3 ○  
4 ○

STOP 0

1 0

**T0-1-8172**  
**T3-1-8172**

FS 140130

# Steuerschalter

Tastenschalter mit automatischem Rückzug

Control switches  
Pulse contact with spring return

Commutateurs de commande  
à retour automatique

## EIN-AUS-Taster On-Off-switches

## Commutateurs de commande

## Wende-Taster

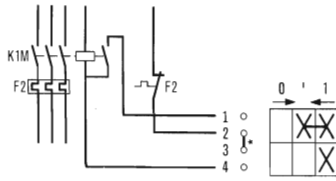
## Reversing switches

## Commutateurs avec inversion de marche

Pole  
Poles  
Pôles

Steuerung von 1 Schütz  
Controlling one contactor  
Commande d'un contacteur

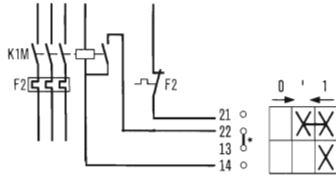
1



**T0-1-8**  
**T3-1-8**



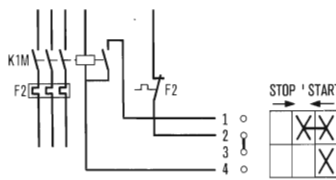
FS 456



**T0-1-15365**  
**T3-1-15365**



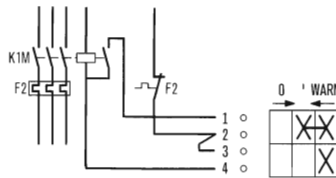
FS 456



**T0-1-15362**  
**T3-1-15362**



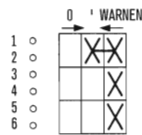
FS 14510



**T0-1-15089**  
**T3-1-15089**



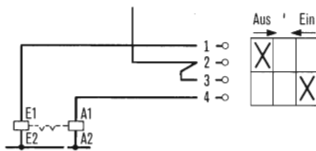
FS 141617



**T0-2-15088**  
**T3-2-15088**



FS 141617

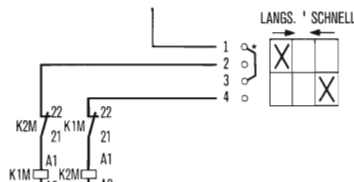


**T0-1-15061**  
**T3-1-15061**



FS 1423

1



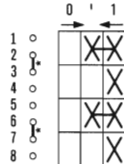
**T0-1-15060**  
**T3-1-15060**



FS 141400

Steuerung von 2 Schützen  
Controlling two contactors  
Commande de deux contacteurs

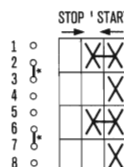
2



**T0-2-15361**  
**T3-2-15361**



FS 456



**T0-2-15363**  
**T3-2-15363**

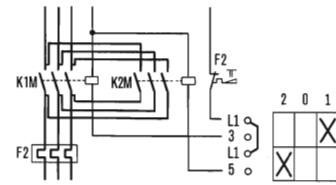


FS 14510

Pole  
Poles  
Pôles

Steuerung von 1 Wendeschütz  
Controlling one pair of reversing contactors  
Commande d'un contacteur-inverseur

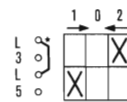
1



**T0-1-9**  
**T3-1-9**



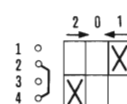
FS 458



**T0-1-15074**  
**T3-1-15074**



FS 4011

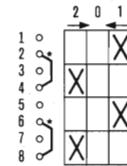


**T0-1-15371**  
**T3-1-15371**



FS 458

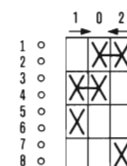
2



**T0-2-15372**  
**T3-2-15372**



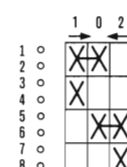
FS 458



**T0-2-8179**  
**T3-2-8179**



FS 4011



**T0-2-8120**  
**T3-2-8120**



FS 4011

3

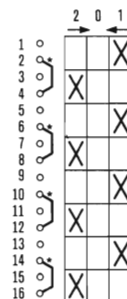


**T0-3-15373**  
**T3-3-15373**



FS 458

4



**T0-4-15374**  
**T3-4-15374**



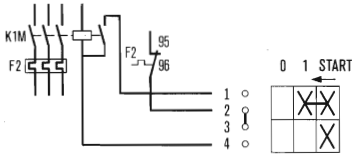
FS 458

\* Verbindung lösbar, Link removable, Shunt amovible



**Tast-Schalter Impulse switches Commutateurs à retour**

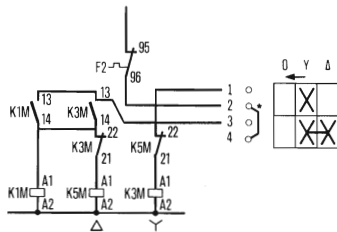
Steuerung von 1 Schütz  
Controlling one contactor  
Commande d'un contacteur



**T0-1-98**  
**T3-1-98**  
FS 141878

**T0-1-8178**  
**T3-1-8178**  
FS 147767

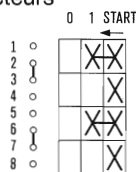
**T0-1-8158**  
**T3-1-8158**  
FS 1423



**T0-1-8180**  
**T3-1-8180**  
FS 6034

**T0-2-15062**  
**T3-2-15062**  
FS 141401

Steuerung von 2 Schützen  
Controlling two contactors  
Commande de deux contacteurs

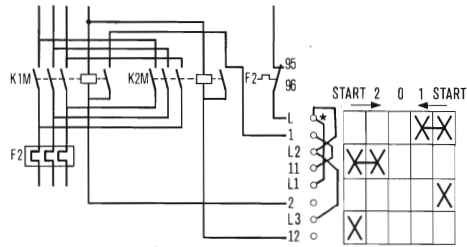


**T0-2-15364**  
**T3-2-15364**  
FS 147767

**T0-2-8513**  
**T3-2-8513**  
FS 456

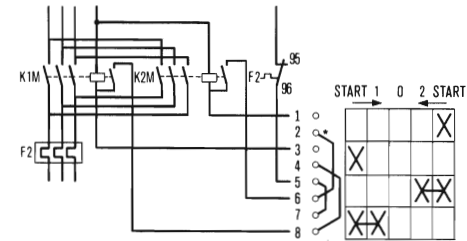
**T0-2-8512**  
**T3-2-8512**  
FS 161800

Steuerung von 2 Schützen  
Controlling two contactors  
Commande de deux contacteurs

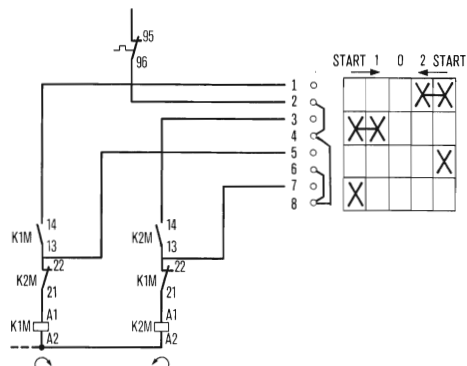


**T0-2-99**  
**T3-2-99**  
FS 1409

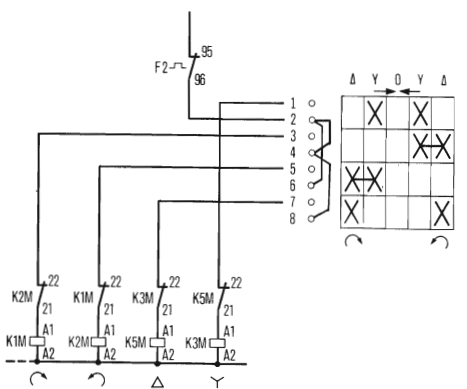
**T0-2-8177**  
**T3-2-8177**  
FS 140660



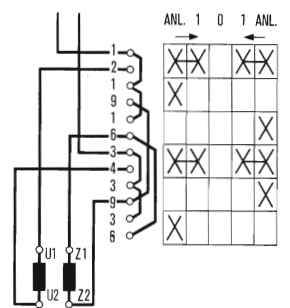
**T0-2-8182**  
**T3-2-8182**  
FS 140660

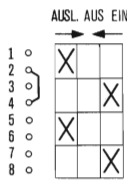


**T0-2-8181**  
**T3-2-8181**  
FS 6057



**T0-3-15064**  
**T3-3-15064**  
FS 141411

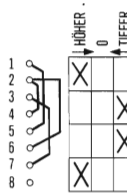




**T0-2-8515**  
**T3-2-8515**



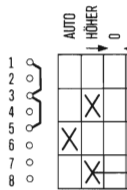
FS 141142



**T0-2-8521**  
**T3-2-8521**



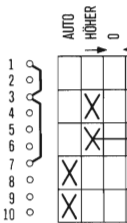
FS 140887



**T0-2-8153**  
**T3-2-8153**



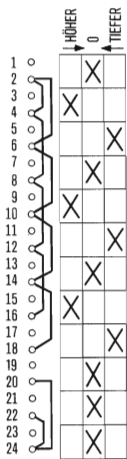
FS 141750



**T0-3-8154**  
**T3-3-8154**



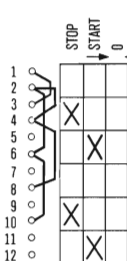
FS 141750



**T0-6-8155**  
**T3-6-8155**



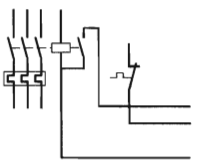
FS 140887



**T0-3-8156**  
**T3-3-8156**



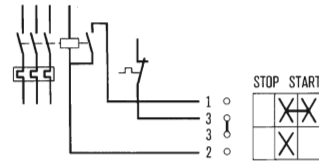
FS 142606



**T0-1-79**  
**T3-1-79**



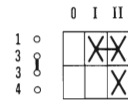
FS 907



**T0-1-15462**  
**T3-1-15462**



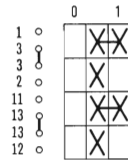
FS 190848



**T0-1-15904**  
**T3-1-15904**



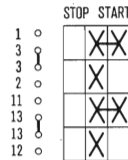
FS 4739



**T0-2-15461**  
**T3-2-15461**



FS 907



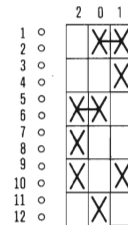
**T0-2-15463**  
**T3-2-15463**



FS 190848

**Universal-Steuerschalter**  
**Universal control switch**  
**Commutateur de commande universel**

Stellschalter  
Stay-put switch  
Commutateur à positions stables

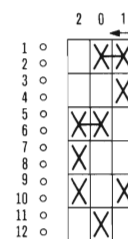


**T0-3-15391**  
**T3-3-15391**



FS 429

Tastenschalter mit automatischem Rückzug von 1 nach 0  
Pulse-contact switch with auto-return from 1 to 0  
Commutateur à retour automatique de 1 à 0

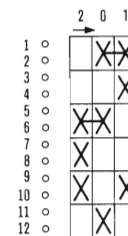


**T0-3-15392**  
**T3-3-15392**



FS 4026

Tastenschalter mit automatischem Rückzug von 2 nach 0  
Pulse-contact switch with auto-return from 2 to 0  
Commutateur à retour automatique de 2 à 0

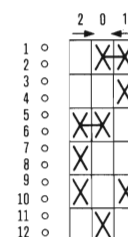


**T0-3-15393**  
**T3-3-15393**



FS 4117

Tastenschalter mit automatischem Rückzug von 1 und 2 nach 0  
Pulse-contact switch with auto-return from 1 and 2 to 0  
Commutateur à retour automatique de 1 et 2 à 0



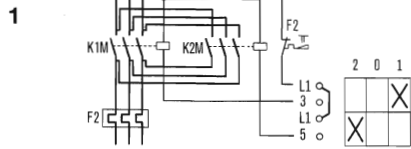
**T0-3-15394**  
**T3-3-15394**



FS 458

Pole Poles Pôles												
1	1 2	0 1 	<b>T0-1-15401</b> <b>T3-1-15401</b>		FS 415	4	1 2 3 4 5 6 7 8	0 1 	<b>T0-2-15404</b> <b>T3-2-15404</b>		FS 415	
	P 1	0 1 	<b>T0-1-15500</b> <b>T3-1-15500</b>		FS 611		1 2 3 4 5 6 7 8	0 1 	<b>T0-2-8203</b> <b>T3-2-8203</b>		FS 611	
	2 3	0 1 	<b>T0-1-15071</b> <b>T3-1-15071</b>		FS 415		1 2	STOP START 	<b>T0-1-15411</b> <b>T3-1-15411</b>		FS 142003	
2	1 2 3 4	0 1 	<b>T0-1-15402</b> <b>T3-1-15402</b>		FS 415	2	1 2 3 4	STOP START 	<b>T0-1-15412</b> <b>T3-1-15412</b>		FS 142003	
	1 2 3 4	0 1 	<b>T0-1-8201</b> <b>T3-1-8201</b>		FS 611		3	1 2 3 4 5 6	STOP START 	<b>T0-2-15413</b> <b>T3-2-15413</b>		FS 142003
	1 2 3 4 5 6	0 1 	<b>T0-2-15403</b> <b>T3-2-15403</b>		FS 415			4	1 2 3 4 5 6 7 8	STOP START 	<b>T0-2-15414</b> <b>T3-2-15414</b>	
1 2 3 4 5 6	0 1 	<b>T0-2-8202</b> <b>T3-2-8202</b>		FS 611								

Pole  
Poles  
Pôles

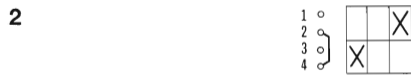


**T0-1-78**  
**T3-1-78**



FS 429

Steuerung von 1 Wendeschütz  
Controlling one reversing contactor  
Commande d'un contacteur-inverseur

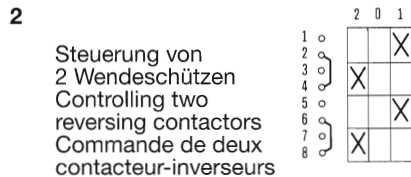


**T0-1-15421**  
**T3-1-15421**



FS 429

Steuerung von 1 Wendeschütz  
Controlling one reversing contactor  
Commande d'un contacteur-inverseur

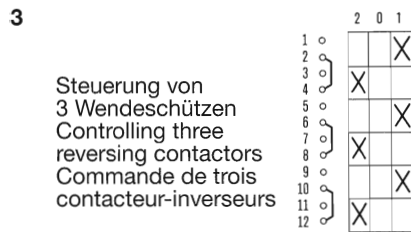


**T0-2-15422**  
**T3-2-15422**



FS 429

Steuerung von 2 Wendeschützen  
Controlling two reversing contactors  
Commande de deux contacteur-inverseurs



**T0-3-15423**  
**T3-3-15423**



FS 429

Steuerung von 3 Wendeschützen  
Controlling three reversing contactors  
Commande de trois contacteur-inverseurs

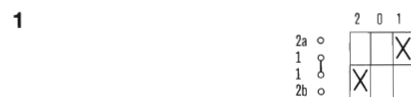


**T0-1-15501**  
**T3-1-15501**



FS 953

2a  
1  
1  
2b



**T0-1-15180**  
**T3-1-15180**



FS 621

2a  
1  
1  
2b



**T0-2-15085**  
**T3-2-15085**



FS 621

1  
2  
2  
3  
3  
4

Pole  
Poles  
Pôles



**T0-2-15642**  
**T3-2-15642**



FS 621



**T0-1-15058**  
**T3-1-15058**



FS 1411805

Prüfen Aus Betrieb



**T0-2-8711**  
**T3-2-8711**



FS 684



**T0-1-15431**  
**T3-1-15431**



FS 1401

Hand 0 Auto



**T0-1-15434**  
**T3-1-15434**



FS 1414000

Hand 0 Auto



**T0-2-15435**  
**T3-2-15435**



FS 141000

Hand 0 Auto



**T0-2-15432**  
**T3-2-15432**



FS 1401

Hand 0 Auto

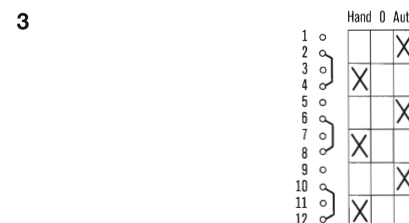


**T0-2-8527**  
**T3-2-8527**



FS 19793

Hand 0 Auto



**T0-3-15433**  
**T3-3-15433**



FS 1401

Hand 0 Auto

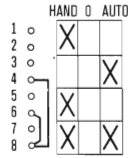
Umschalter  
(mit 0-Stellung)

Change over switches  
(with "OFF" position)

Commutateurs  
(avec position zéro)

Pole  
Poles  
Pôles

2

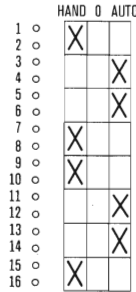


**T0-2-8170**  
**T3-2-8170**



FS 190301

4

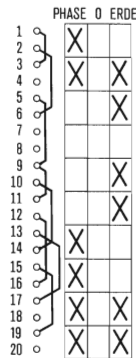


**T0-4-8171**  
**T3-4-8171**



FS 190301

6

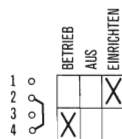


**T0-5-8531**  
**T3-5-8531**



FS 141152

1

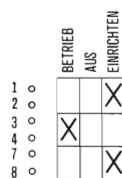


**T0-1-8516**  
**T3-1-8516**



FS 19801

2



**T0-2-8517**  
**T3-2-8517**



FS 19801

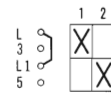
Umschalter  
(ohne 0-Stellung)

Change over switches  
(with "OFF" position)

Commutateurs  
(avec position zéro)

Pole  
Poles  
Pôles

1

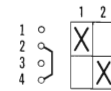


**T0-1-97**  
**T3-1-97**



FS 943

1

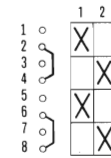


**T0-1-15441**  
**T3-1-15441**



FS 902

2

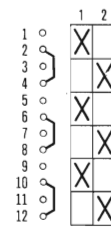


**T0-2-15442**  
**T3-2-15442**



FS 902

3

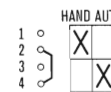


**T0-3-15443**  
**T3-3-15443**



FS 902

1

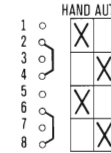


**T0-1-15451**  
**T3-1-15451**



FS 19334

2

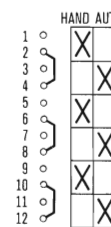


**T0-2-15452**  
**T3-2-15452**



FS 19334

3

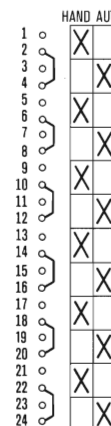


**T0-3-15453**  
**T3-3-15453**



FS 19334

6



**T0-6-8529**  
**T3-6-8529**



FS 19334

**Pole**  
Poles  
Pôles



**T0-1-15059**  
**T3-1-15059**



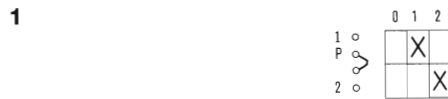
FS 141399



**T0-2-8537**  
**T3-2-8537**



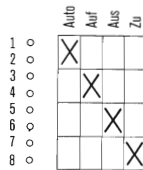
FS 160544



**T0-1-15502**  
**T3-1-15502**



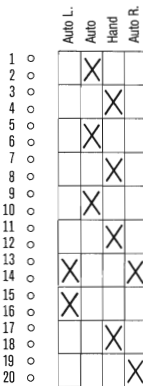
FS 910



**T0-2-15503**  
**T3-2-15503**



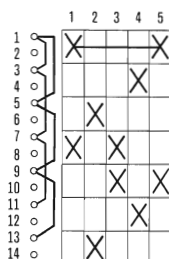
FS 161304



**T0-5-8535**  
**T3-5-8535**



FS 141477

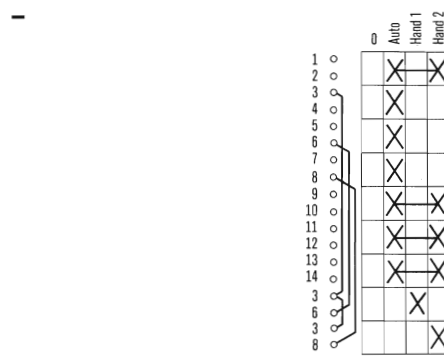


**T0-4-15086**  
**T3-4-15086**



FS 608

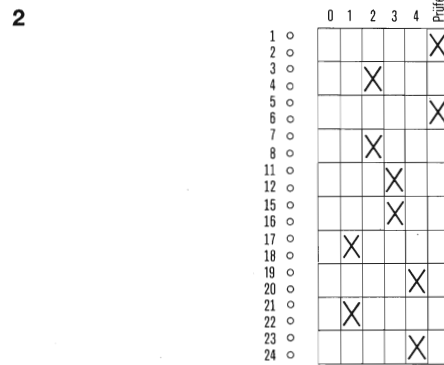
**Pole**  
Poles  
Pôles



**T0-5-15902**  
**T3-5-15902**



FS 142117

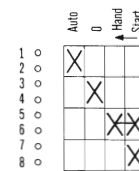


**T0-5-8533**  
**T3-5-8533**



FS 160756

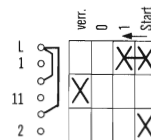
Rundschaltung  
Complete rotation  
Commutation sans butée



**T0-2-15907**  
**T3-2-15907**



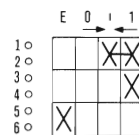
FS 1413890



**T0-2-15905**  
**T3-2-15905**



FS 143772

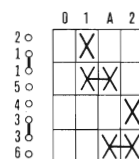


**T0-2-15091**  
**T3-2-15091**



FS 163098

Schaltplan  
Wiring diagram  
Schéma des circuits  
VWS 281-411



**T0-2-15834**  
**T3-2-15834**



FS 191272

Rundschaltung  
Complete rotation  
Commutation sans butée

**Pole**  
Poles  
Pôles

AUS-Schalter, Load break isolating switch, Interrupteur

**2**

0	1	0	1
X	X	X	X

**T0-1-15108**  
**T3-1-15108**

FS 926

**2**

0	1	0	1
X	X	X	X

**T0-1-15041**  
**T3-1-15041**

FS 926

**4**

0	1	0	1
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X

**T0-2-15042**  
**T3-2-15042**

FS 926

Gruppen-Schalter, Group switch, Commutateur de groupe

0	1	0	2
X	X	X	X

**T0-1-15109**  
**T3-1-15109**

FS 928

**1**

0	1	0	2
X	X	X	X

**T0-1-15043**  
**T3-1-15043**

FS 928

**2**

0	1	0	2
X	X	X	X
X	X	X	X

**T0-2-15044**  
**T3-2-15044**

FS 928

**3**

0	1	0	2
X	X	X	X
X	X	X	X
X	X	X	X

**T0-3-15045**  
**T3-3-15045**

FS 928

Serien-Schalter, Multi circuit switch, Interrupteur en série

**1**

0	1	2	3
X	X	X	X

**T0-1-15110**  
**T3-1-15110**

FS 912

**Pole**  
Poles  
Pôles

Serien-Schalter  
Multi circuit switch  
Interrupteur en série

**1**

1	2	3	4
X	X	X	X

**T0-1-8566**  
**T3-1-8566**

FS 9317

**1**

0	1	1-2	2
X	X	X	X

**T0-1-15046**  
**T3-1-15046**

FS 193840

**2**

1	2	3	4
X	X	X	X
X	X	X	X

**T0-2-8828**  
**T3-2-8828**

FS 9317

**2**

0	1	1-2	2
X	X	X	X
X	X	X	X

**T0-2-15047**  
**T3-2-15047**

FS 193840

**1**

Wechsel-Schalter  
2 way switch  
Inversieur

1	2	1	2
X	X	X	X

**T0-1-15111**  
**T3-1-15111**

FS 923

**1**

1	2	1	2
X	X	X	X

**T-1-15111**

**1**

1	2	1	2
X	X	X	X

**T0-1-15048**  
**T3-1-15048**

FS 924

**1**

Kreuz-Schalter  
Intermediate switch  
Commutateur-inverseur

1	2	1	2
X	X	X	X

**T0-1-15048**  
**T3-1-15048**

FS 924

**1**

1	2	1	2
X	X	X	X

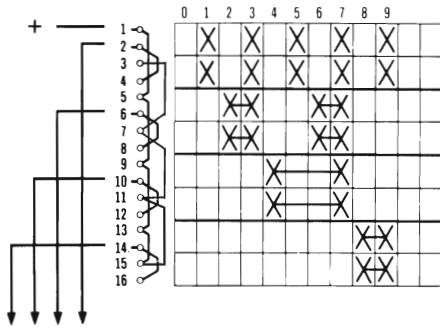
**T0-2-15112**  
**T3-2-15112**

FS 923

→ T-1-15111

\* Verbindung lösbar, Link removable, Shunt amovible

**8-4-2-1-Code (dualer BCD-Code)**  
(BCD Code)  
(Code DCB)



**T0-4-15602**  
**T3-4-15602**



FS 312

ersetzt  
substitutes  
remplacé

**T-4-15380**

0	0	0	0
1	0	0	1
2	0	0	1
3	0	0	1
4	0	1	0
5	0	1	0
6	0	1	1
7	0	1	1
8	1	0	0
9	1	0	0

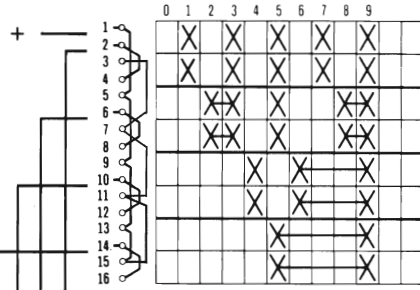
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

0-Signal = Low  
1-Signal = High

8	4	2	1
---	---	---	---

Stellenwert, Place value, Poids  
Dezimalzahlen, Decimalnumbers, Nombres décimaux

**Aiken-Code**  
Code Aiken



**T0-4-15604**  
**T3-4-15604**



FS 312

ersetzt  
substitutes  
remplacé

**T-4-15382**

0	0	0	0
1	0	0	1
2	0	0	1
3	0	0	1
4	0	1	0
5	1	0	1
6	1	1	0
7	1	1	0
8	1	1	1
9	1	1	1

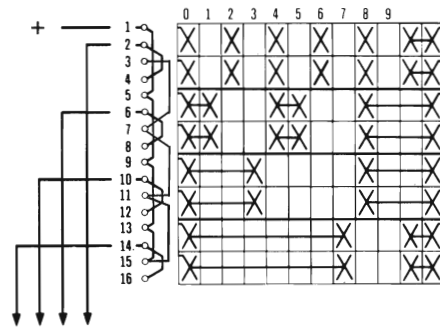
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

0-Signal = Low  
1-Signal = High

2	4	2	1
---	---	---	---

Stellenwert, Place value, Poids  
Dezimalzahlen, Decimalnumbers, Nombres décimaux

**Komplementär-BCD-Code,**  
Complementary BCD Code,  
Code DCB complémentaire



**T0-4-15603**  
**T3-4-15603**



FS 312

ersetzt  
substitutes  
remplacé

**T-4-15381**

0	1	1	1
1	1	1	1
2	1	1	0
3	1	1	0
4	1	0	1
5	1	0	1
6	1	0	1
7	1	0	0
8	0	1	1
9	0	1	1

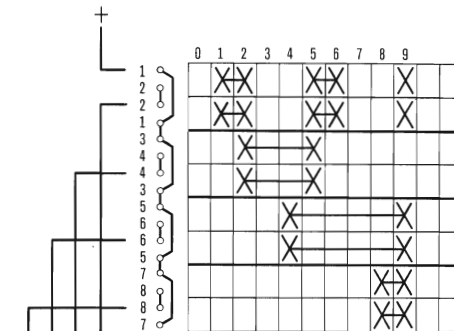
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

0-Signal = Low  
1-Signal = High

8	4	2	1
---	---	---	---

Stellenwert, Place value, Poids  
Dezimalzahlen, Decimalnumbers, Nombres décimaux

**Gray-Code**  
Code Gray



**T0-4-15384**  
**T3-4-15384**



FS 312

0	0	0	0
1	0	0	1
2	0	0	1
3	0	0	1
4	0	1	1
5	0	1	1
6	0	1	0
7	0	1	0
8	1	1	0
9	1	1	0

Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

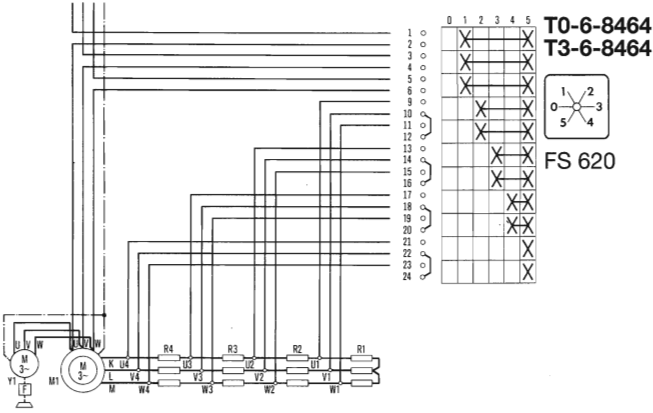
0-Signal = Low  
1-Signal = High

--	--	--	--

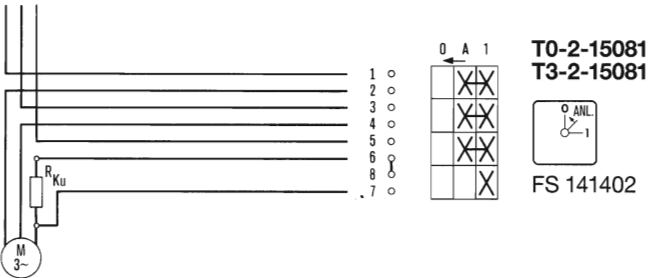
Dezimalzahlen, Decimalnumbers, Nombres décimaux



Kontroller Controller Contrôleur



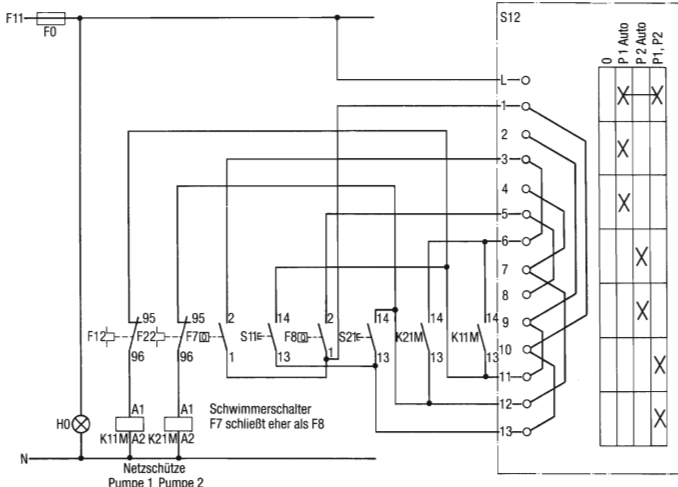
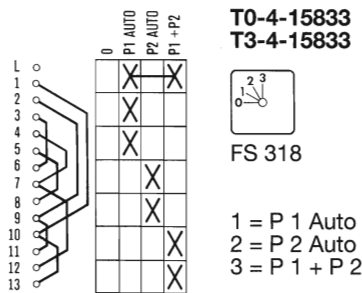
Kusa-Schaltung  
"Kusa" control  
Schéma «Kusa»



Zwei-Pumpen-Steuerung (Duplex-Pump-Controller)  
Two pump control system  
Equipement à 2 pompes

Schaltplan  
Wiring diagram  
Schéma des circuits

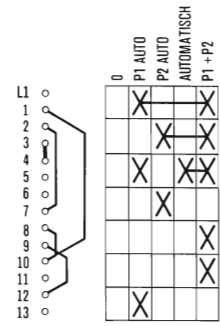
VWS 732-401



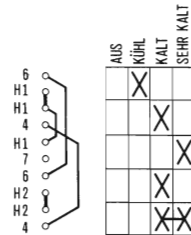
Zwei-Pumpen-Steuerung mit zyklischer Vertauschung  
Two pump control with cyclic interchange  
Equipement à 2 pompes avec permutation périodique

Schaltplan  
Wiring diagram  
Schéma des circuits

VWS 732-411

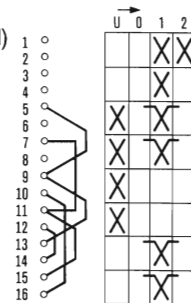


Schalter für  
Nachtstrom-  
Speicherheizung  
Switch for storage  
heaters  
(off-peak power)  
Chauffage à  
accumulation  
(courant de nuit)



Umpolschalter für elektromagnetische Spanngeräte  
Polarity reversing for electromagnetic chucks  
Commutateurs de pôles pour dispositifs magnétiques de serrage

Schaltplan siehe  
Technische Informationen (TI)  
Wiring diagram see  
Reference Book (RB)  
Schéma des circuits:  
voir Manuel Technique



# EIN-AUS-Schalter Hauptschalter

ON-OFF-switches  
Main switches

Interrupteurs

Interrupteurs généraux

Change over switches  
Inverseurs

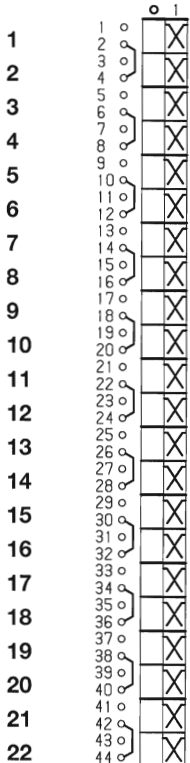
# Umschalter

Pole  
Poles  
Pôles

Typ  
Type  
Type



FS 908



Seite/Page 2/4-5

T0-9-8353  
T0-9-8354  
T0-10-8355  
T0-10-8356  
T0-11-8357  
T0-11-8358

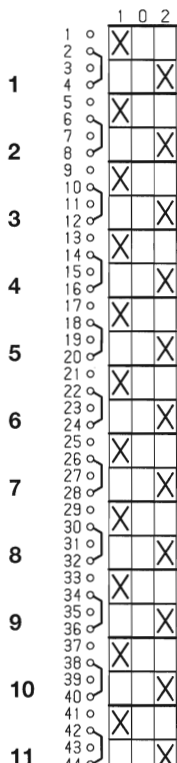
T3-9-8353  
T3-9-8354  
T3-10-8355  
T3-10-8356  
T3-11-8357  
T3-11-8358

Pole  
Poles  
Pôles

Typ  
Type  
Type



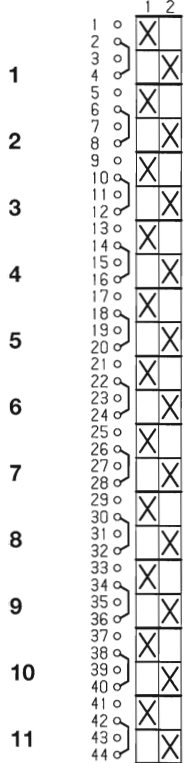
FS 684



Seite/Page 2/8

T0-9-8365  
T0-10-8366  
T0-11-8367

T3-9-8365  
T3-10-8366  
T3-11-8367



Seite/Page 2/7

T0-9-8373  
T0-10-8374  
T0-11-8375



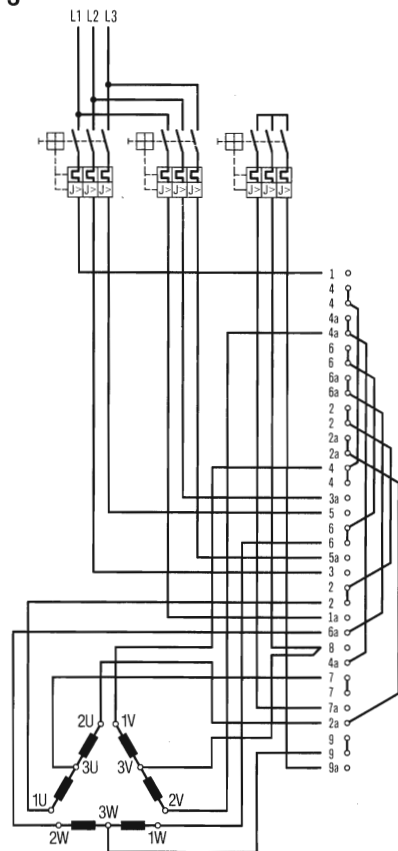
FS 943

T3-9-8373  
T3-10-8374  
T3-11-8375

Three speed switches, one winding  
Commutateurs de pôles, 3 vitesses

# Polumschalter

3



mit  
„0“-Stellung  
with  
“0” position  
avec  
position “0”

T0-9-15101  
T3-9-15101



FS 616

ohne  
„0“-Stellung  
without  
“0” position  
sans  
position “0”

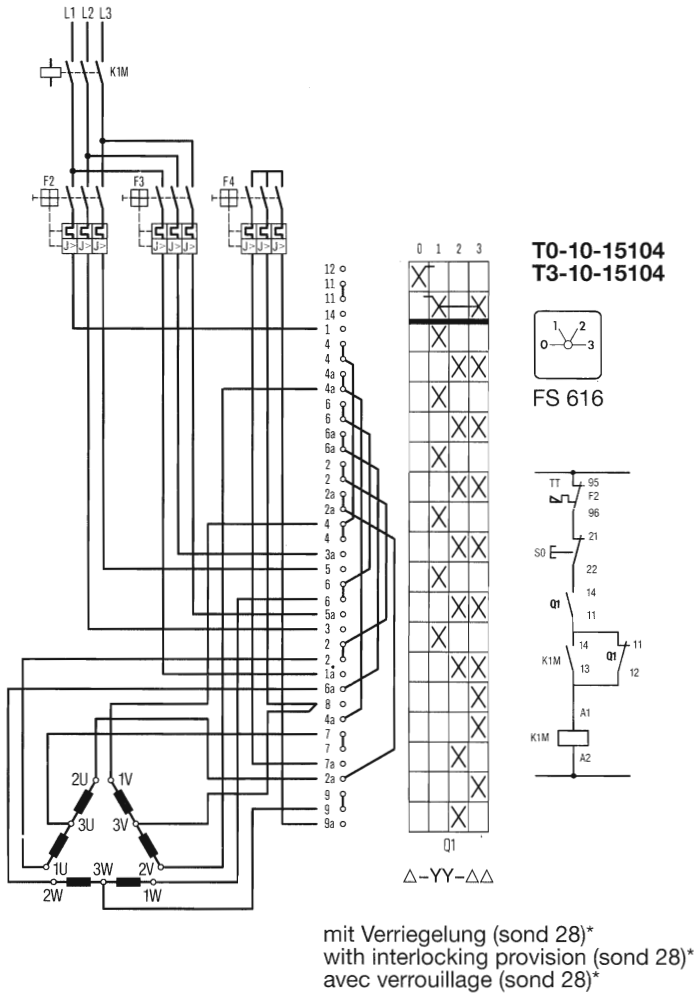
T0-9-15103  
T3-9-15103



Δ-YY-ΔΔ

Pole  
Poles  
Pôles

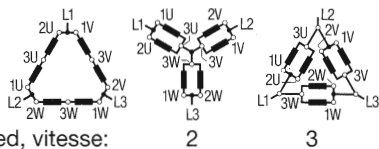
3



**Gegenüberstellung der Anschlußbezeichnungen  
Comparative Chart of Terminal Markings  
Tableaux de correspondance des repérages de bornes**

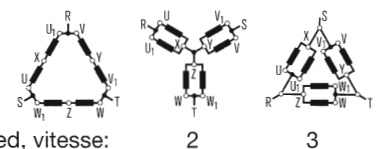
Nach DIN 42 400 (neu):  
according to DIN 42 400 (new):  
selon DIN 42 400 (nouveau):

**Polumschalter**  
3 Drehzahlen, 1 Drehrichtung,  
1 Wicklung  
**Three-speed switches**  
non reversing, one winding  
**Commutateurs de pôles**  
3 vitesses, 1 sens de marche,  
1 enroulement



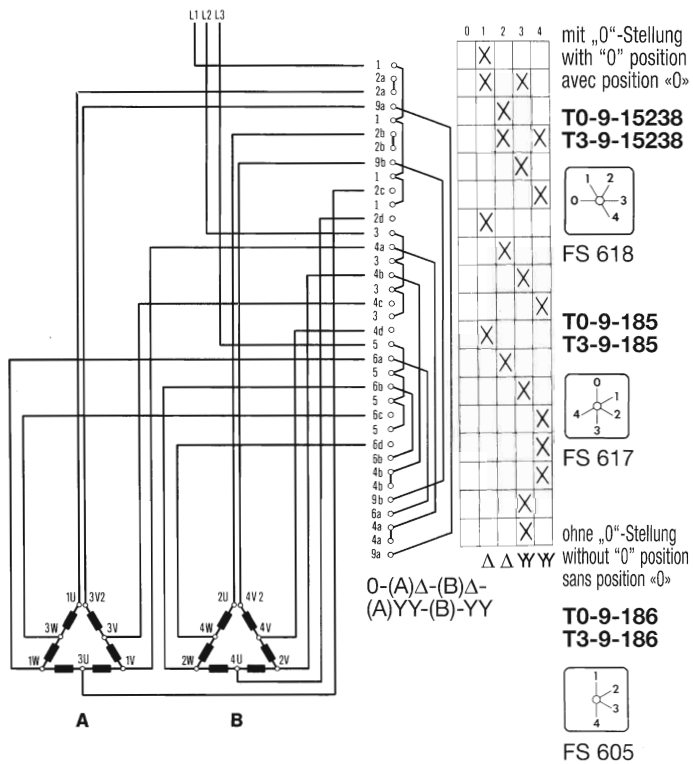
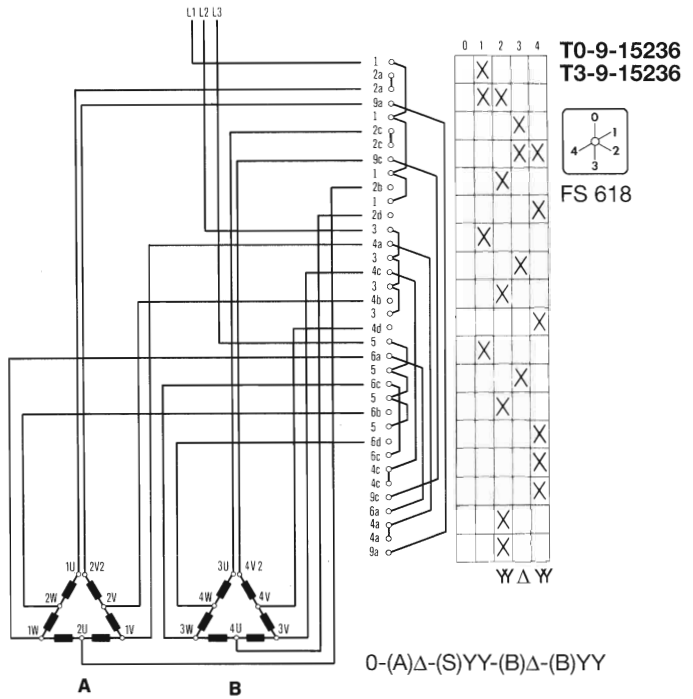
nach VDE (alt):  
according to VDE (old):  
selon VDE (ancien):

**Polumschalter**  
3 Drehzahlen, 1 Drehrichtung,  
1 Wicklung  
**Three-speed switches**  
non reversing, one winding  
**Commutateurs de pôles**  
3 vitesses, 1 sens de marche,  
1 enroulement



Pole  
Poles  
Pôles

Beim Schalten einer Wicklung  
wird die andere geöffnet  
When one winding is brought  
in, the other is cut out  
Lors de l'enclenchement d'un  
enroulement, l'autre s'ouvre

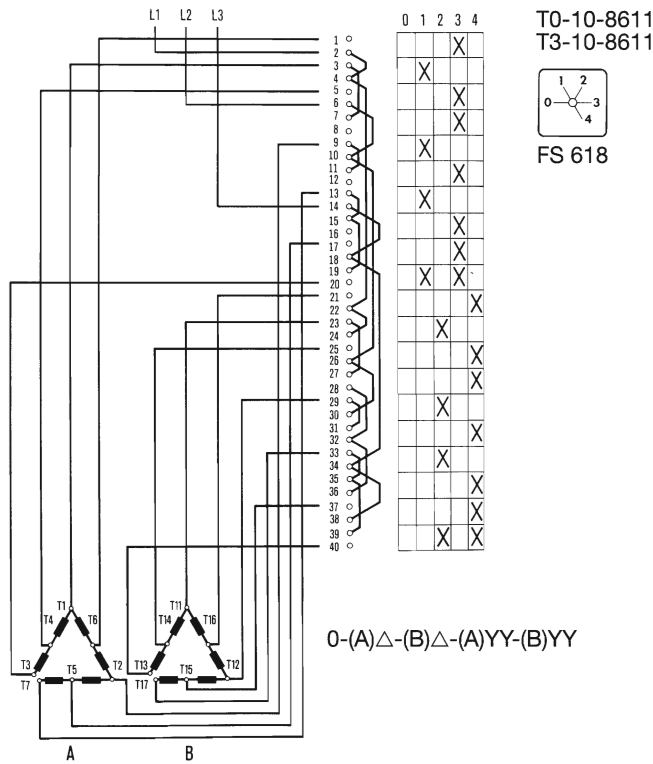


**Pole**  
Poles  
Pôles

**3**

Für Antriebe mit konstantem Drehmoment

For drive motors with constant torque  
Pour moteurs d'entraînement à couple constant

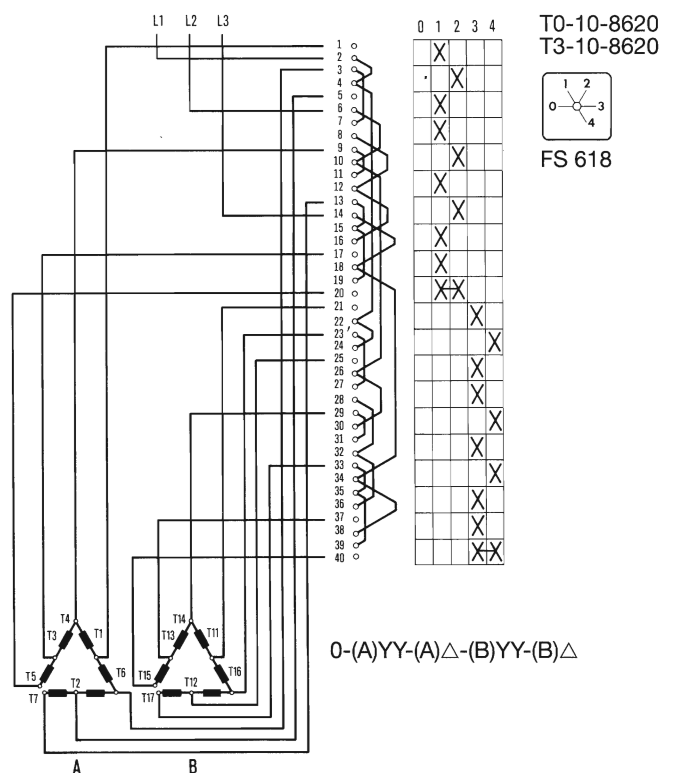
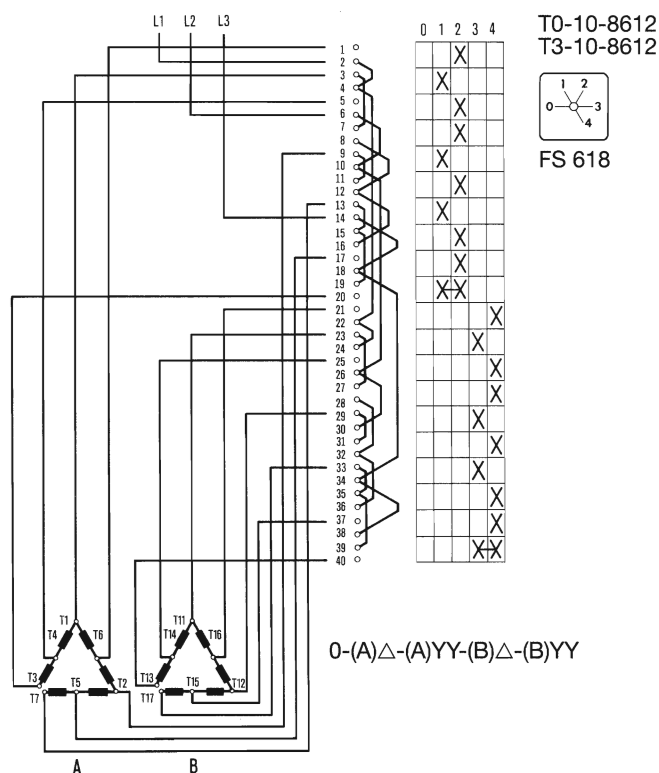
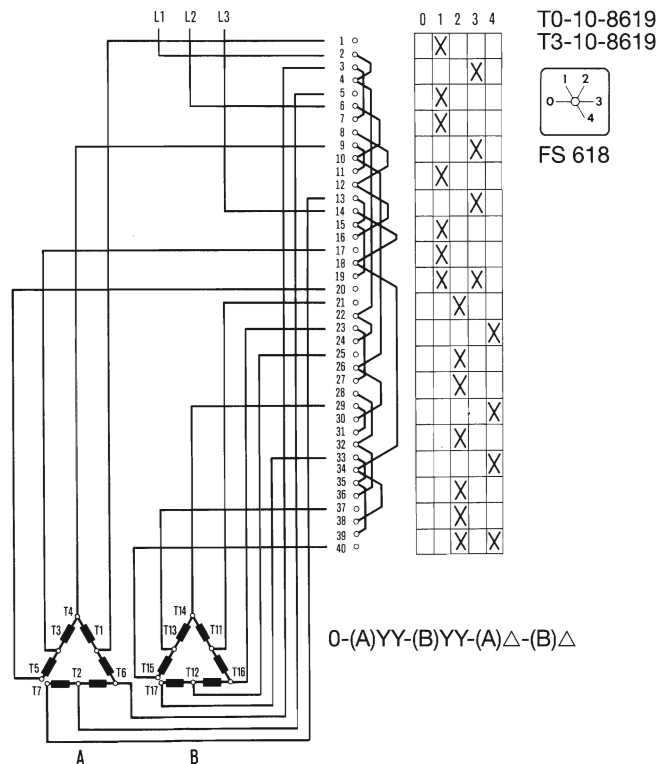


**Pole**  
Poles  
Pôles

**3**

Für Antriebe mit konstanter Leistung

For drive motors with constant output  
Pour moteurs d'entraînement à puissance constante



mit Nullstellung  
with "OFF" position  
avec position zéro

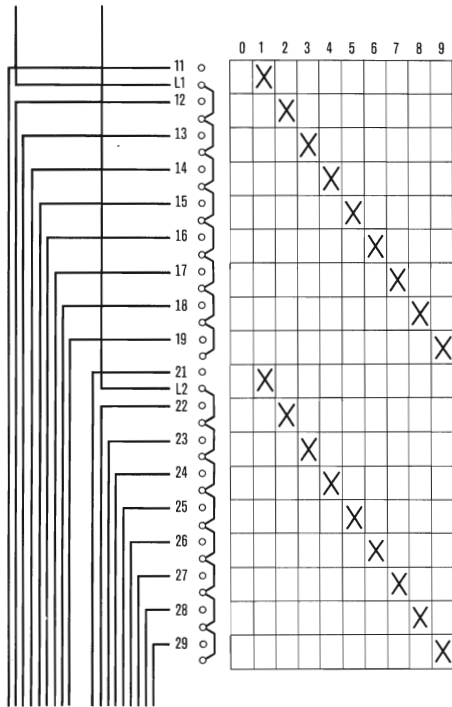
1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Step switches  
Commutateurs à gradins

**Stufenschalter**

**Pole**  
Poles  
Pôles

**2**



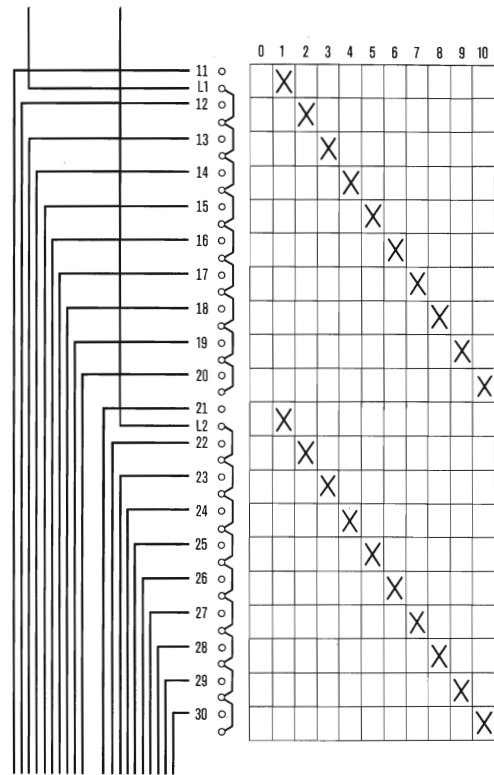
**T0-9-15291**  
**T3-9-15291**



FS 312

**Pole**  
Poles  
Pôles

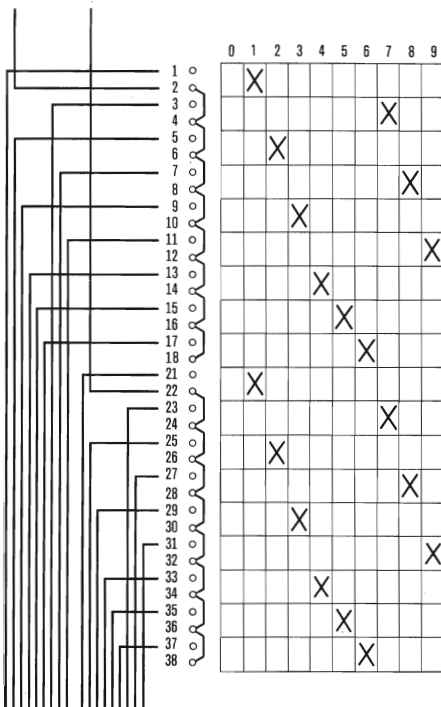
**2**



**T0-10-15292**  
**T3-10-15292**



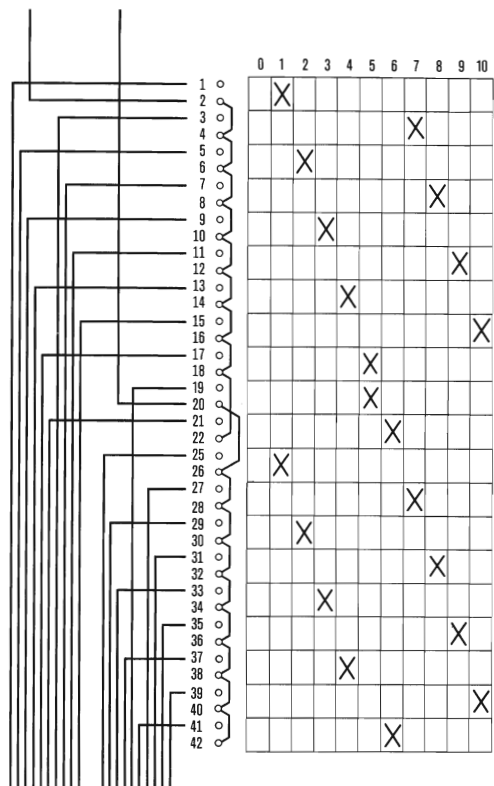
FS 311



**T0-9-8267**  
**T3-9-8267**



FS 312



**T0-10-8268**  
**T3-10-8268**



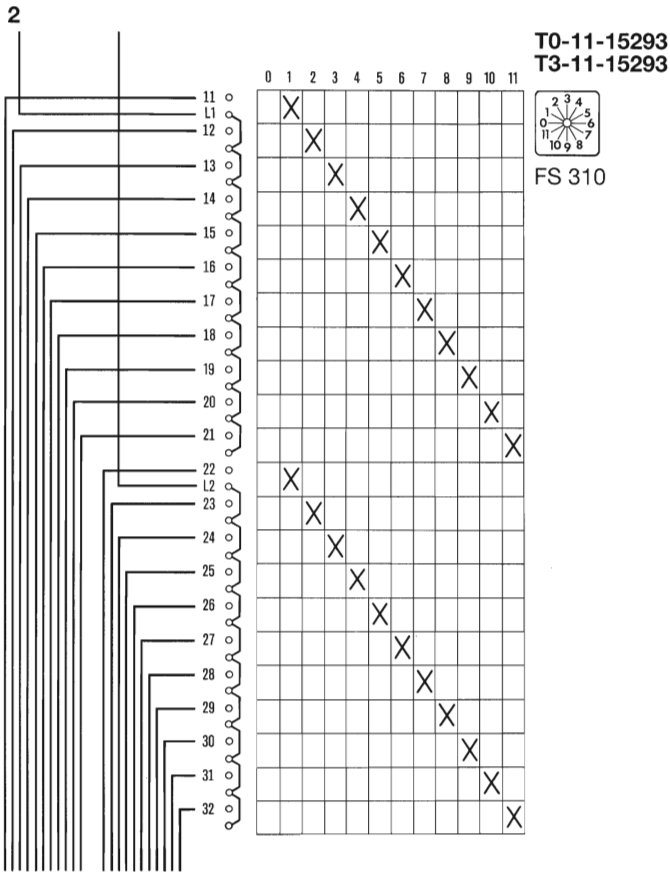
FS 311

# Stufenschalter

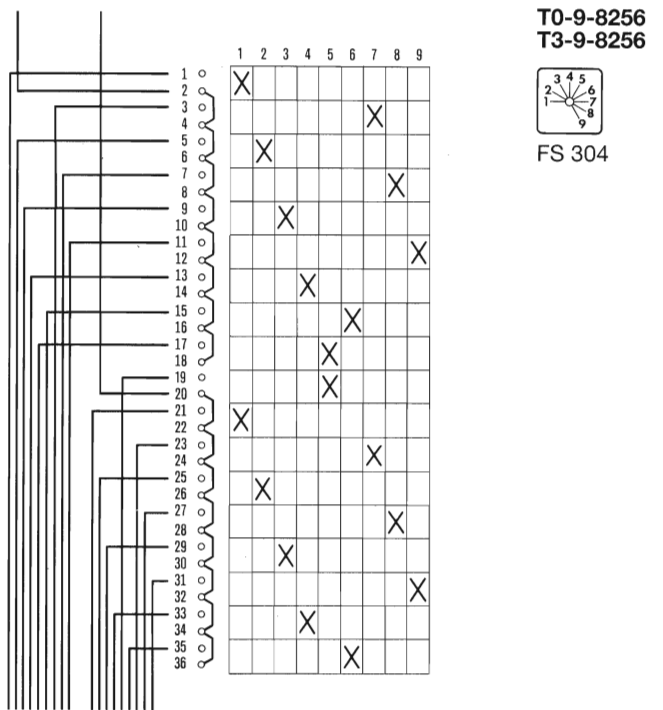
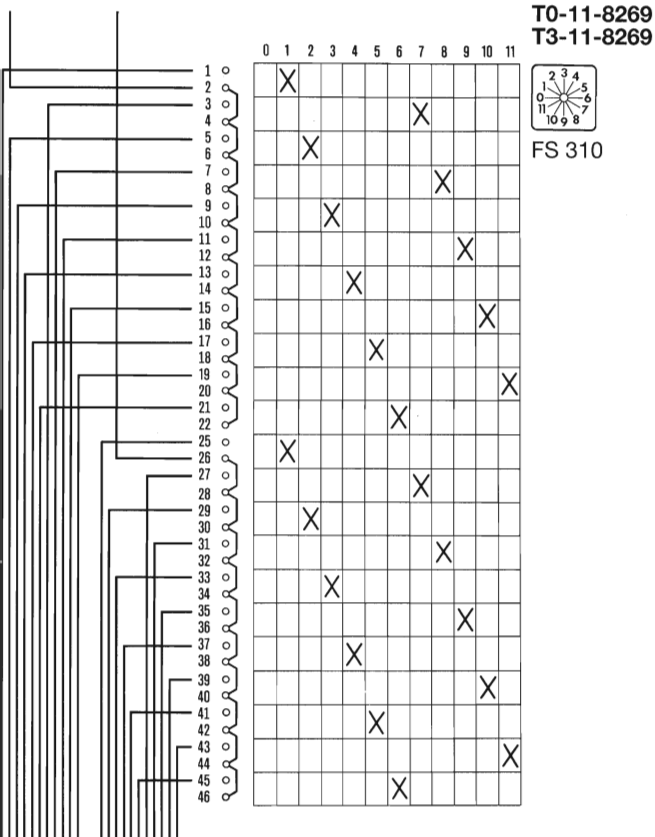
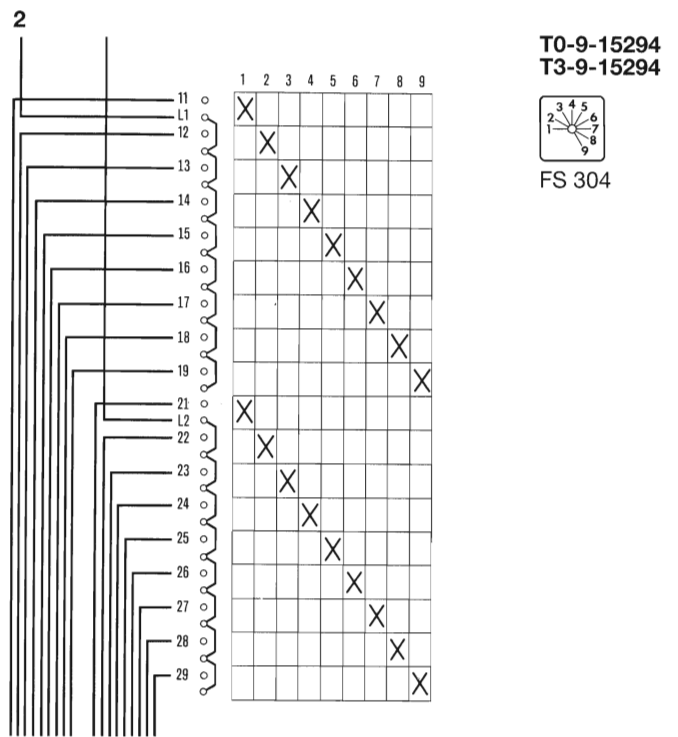
Step switches  
Commutateurs à gradins

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles



Pole  
Poles  
Pôles



ohne Nullstellung  
without "OFF" position  
sans position zéro

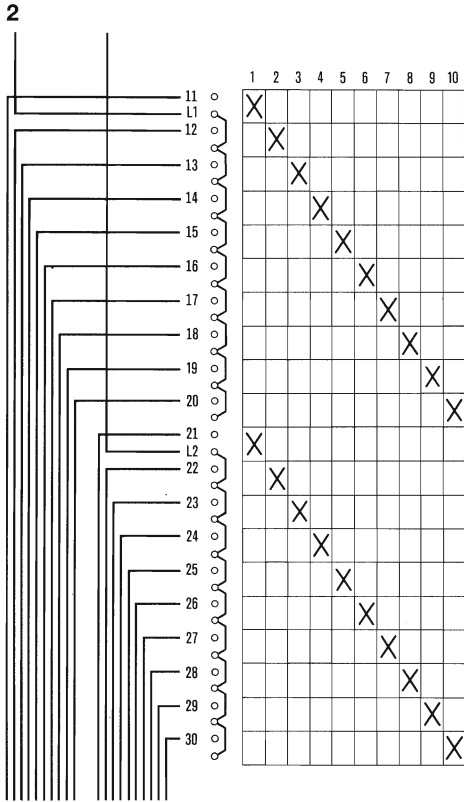
1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Step switches  
Commutateurs à gradins

# Stufenschalter

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

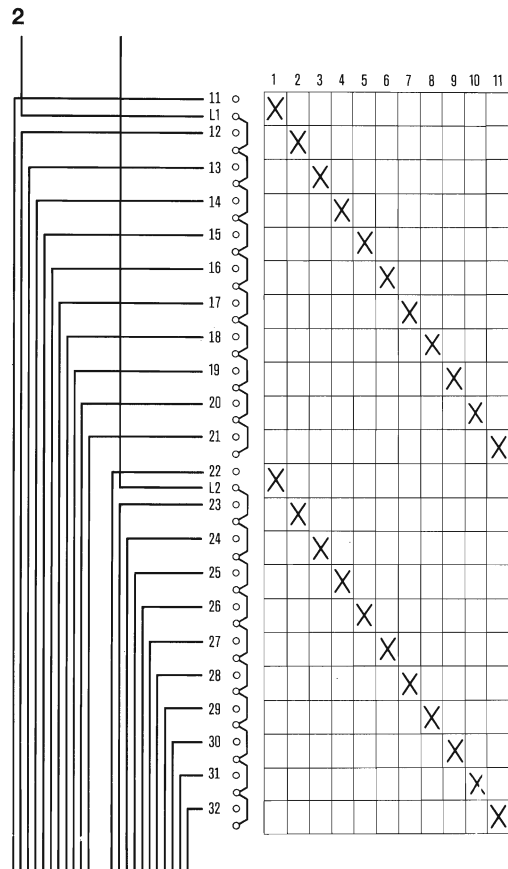


**T0-10-15295**  
**T3-10-15295**



FS 303

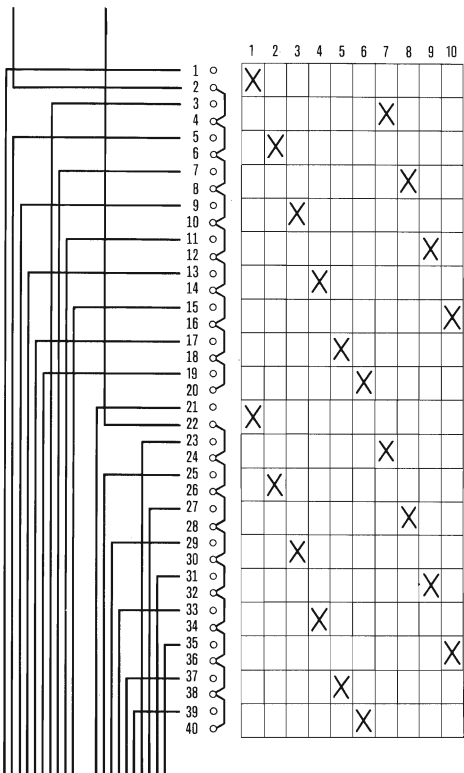
Pole  
Poles  
Pôles



**T0-11-15296**  
**T3-11-15296**



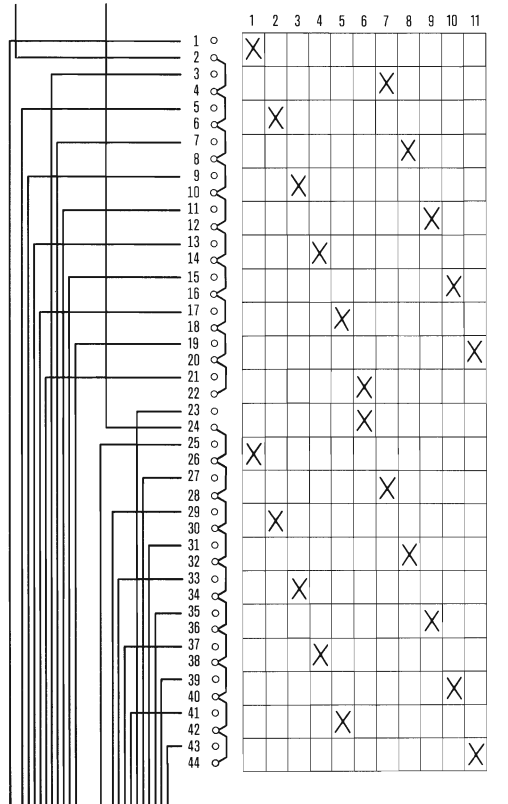
FS 302



**T0-10-8257**  
**T3-10-8257**



FS 303



**T0-11-8258**  
**T3-11-8258**

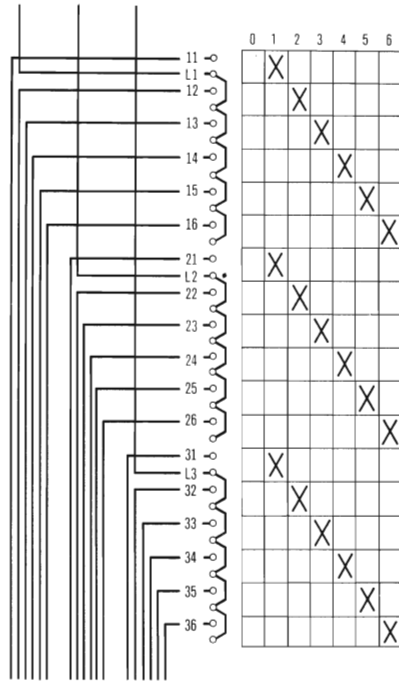


FS 302

**Pole**  
Poles  
Pôles

mit Nullstellung  
with „OFF“ position  
avec position zéro

**3**



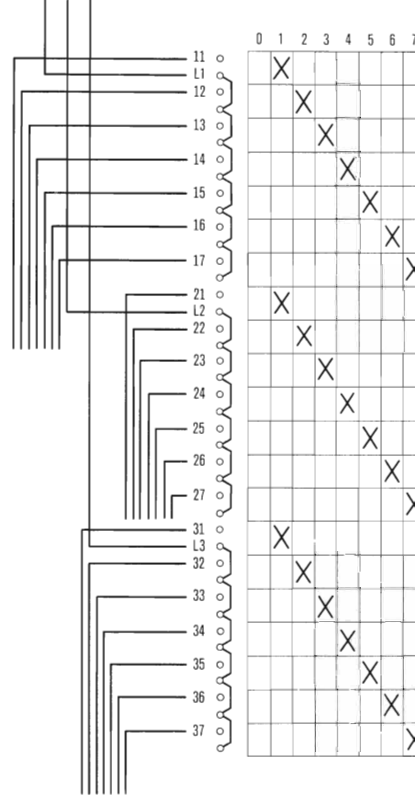
**T0-9-15147**  
**T3-9-15147**



FS 426

**Pole**  
Poles  
Pôles

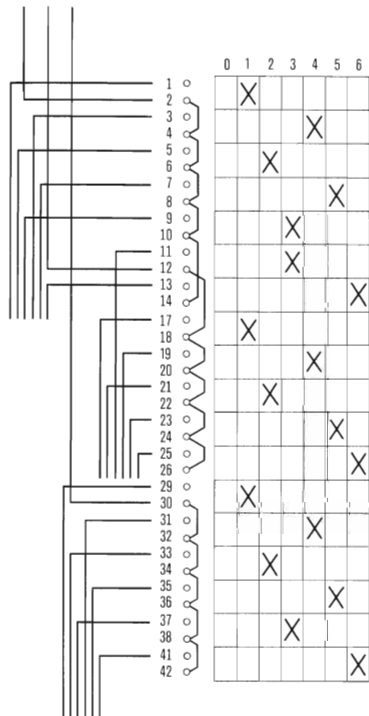
**3**



**T0-11-15148**  
**T3-11-15148**



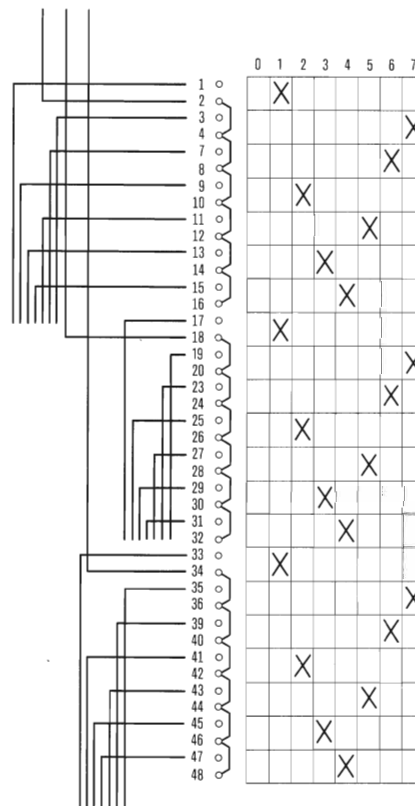
FS 428



**T0-9-8284**  
**T3-9-8284**



FS 426



**T0-11-8285**  
**T3-11-8285**

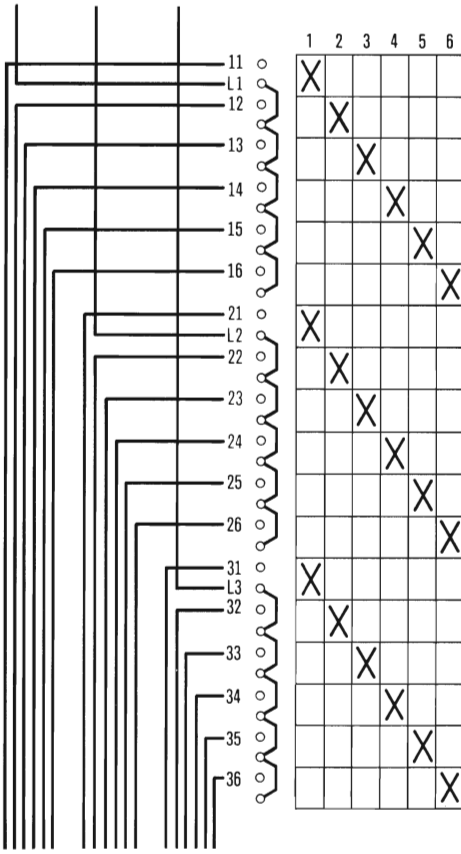


FS 428



**Pole**  
Poles  
Pôles

**3**



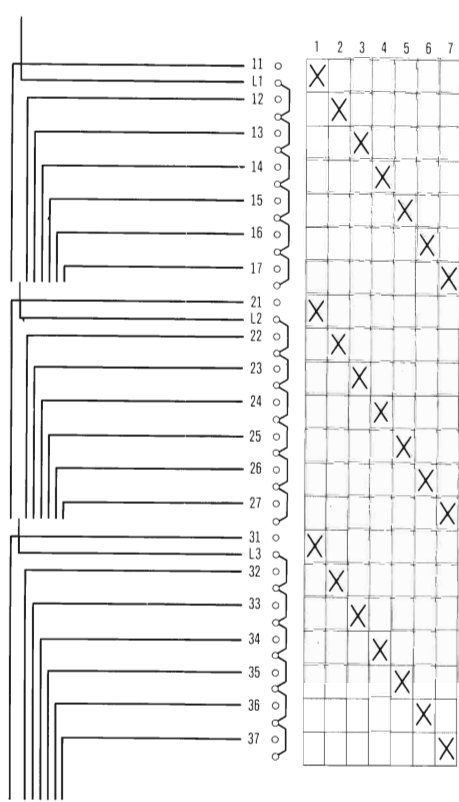
**T0-9-15153**  
**T3-9-15153**



FS 410

**Pole**  
Poles  
Pôles

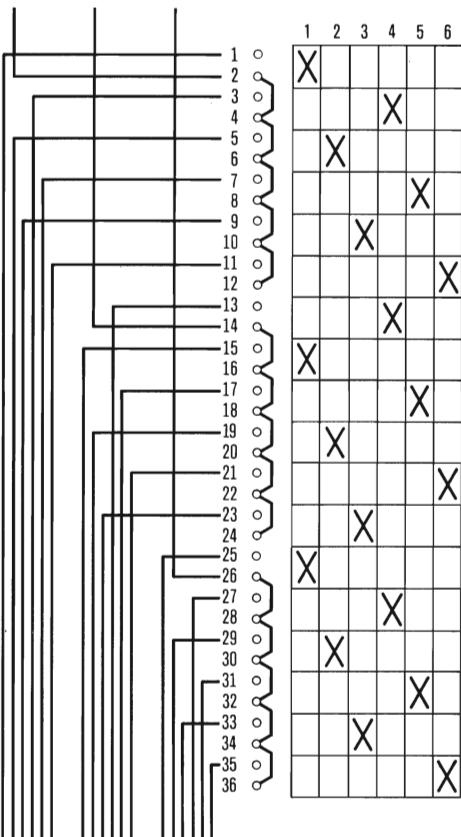
**3**



**T0-11-15154**  
**T3-11-15154**



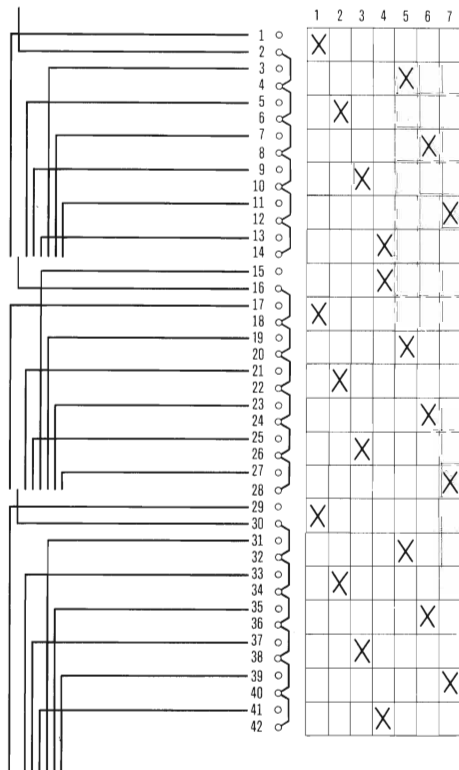
FS 412



**T0-9-8273**  
**T3-9-8273**



FS 610



**T0-11-8274**  
**T3-11-8274**



FS 412

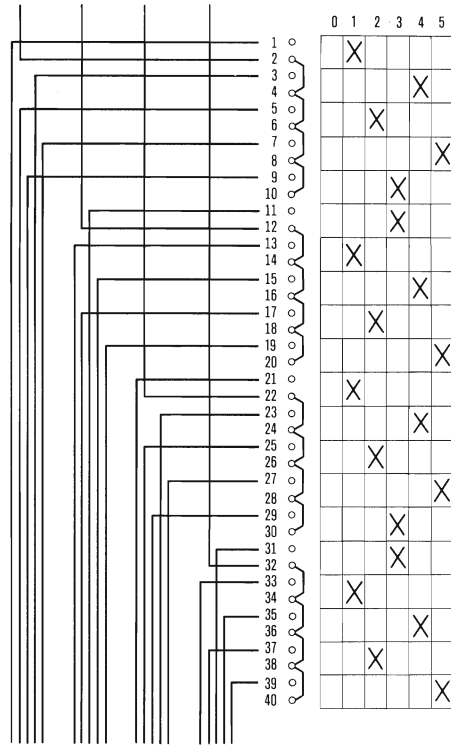
# Stufenschalter

Step switches  
Commutateurs à gradins

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

4



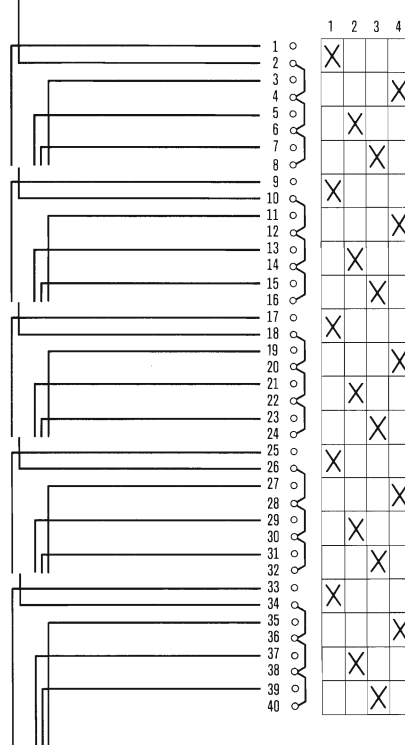
T0-10-8483  
T3-10-8483



FS 424

Pole  
Poles  
Pôles

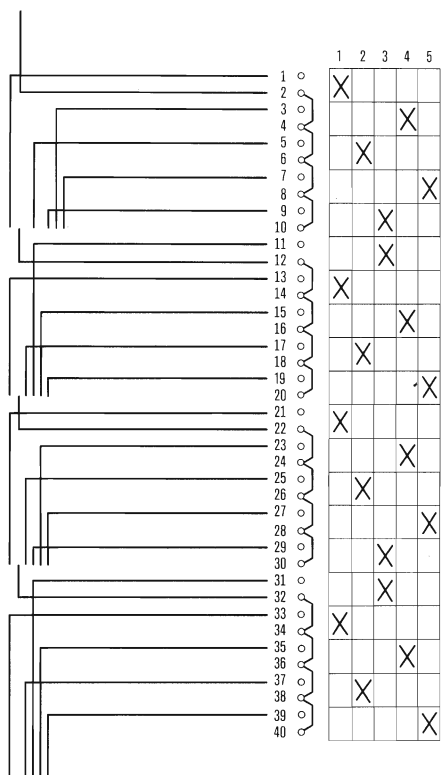
5



T0-10-8485  
T3-10-8485



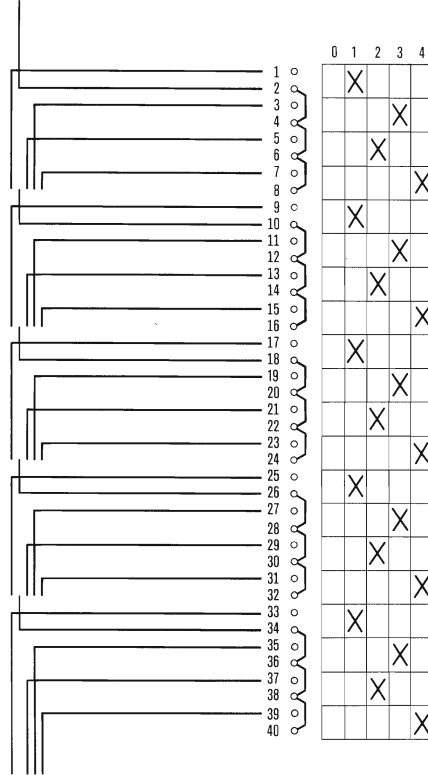
FS 406



T0-10-8478  
T3-10-8478



FS 608



T0-10-8488  
T3-10-8488

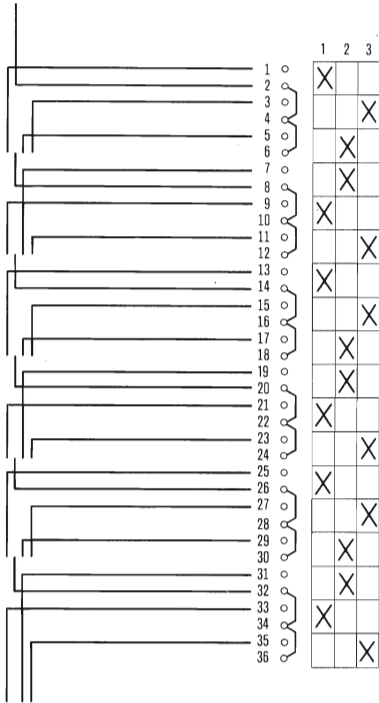


FS 422

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

6



T0-9-8489  
T3-9-8489

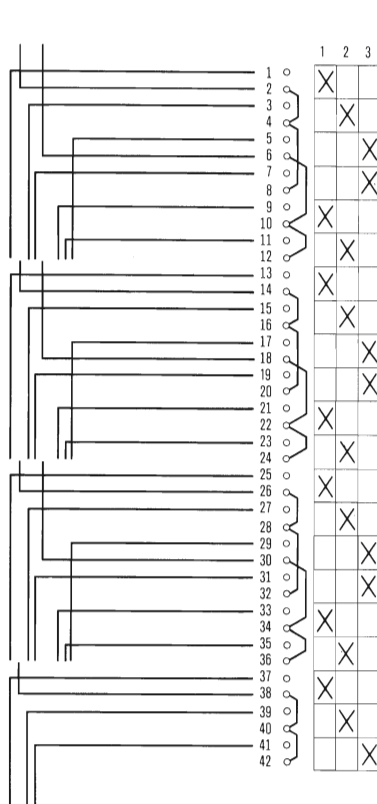


FS 604

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

7

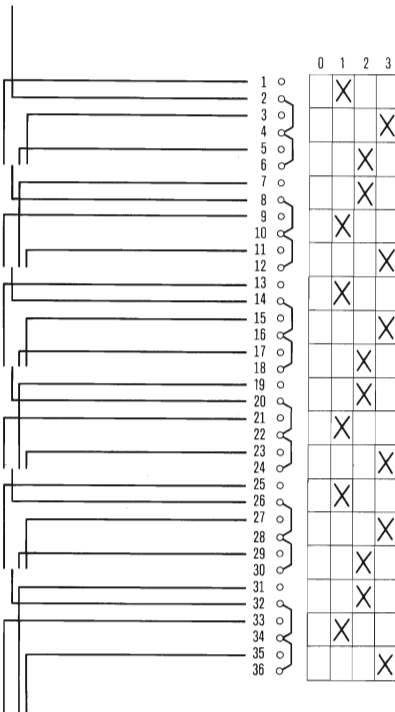


T0-11-8494  
T3-11-8494



FS 604

mit Nullstellung  
with "OFF" position  
avec position zéro

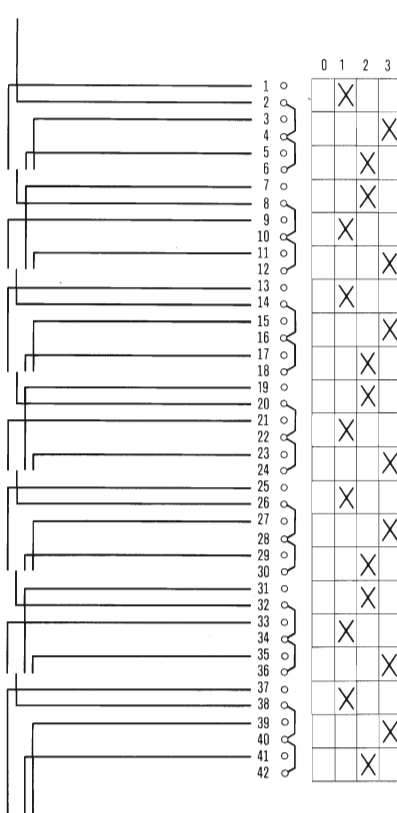


T0-9-8492  
T3-9-8492



FS 420

mit Nullstellung  
with "OFF" position  
avec position zéro



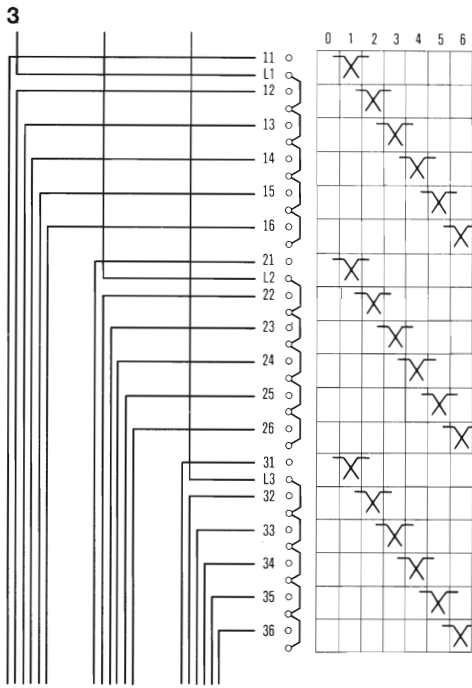
T0-11-8496  
T3-11-8496



FS 420

Pole  
Poles  
Pôles

mit Nullstellung  
with „OFF“ position  
avec position zéro



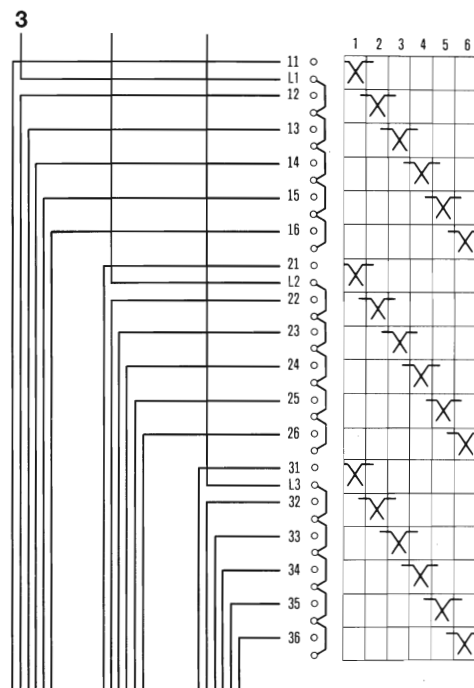
**T0-9-15039**  
**T3-9-15039**



FS 426

Pole  
Poles  
Pôles

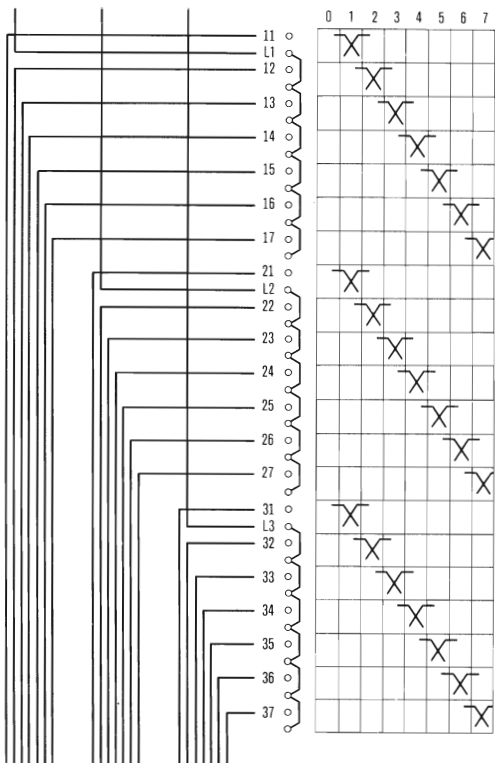
ohne Nullstellung  
without „OFF“ position  
sans position zéro



**T0-9-15020**  
**T3-9-15020**



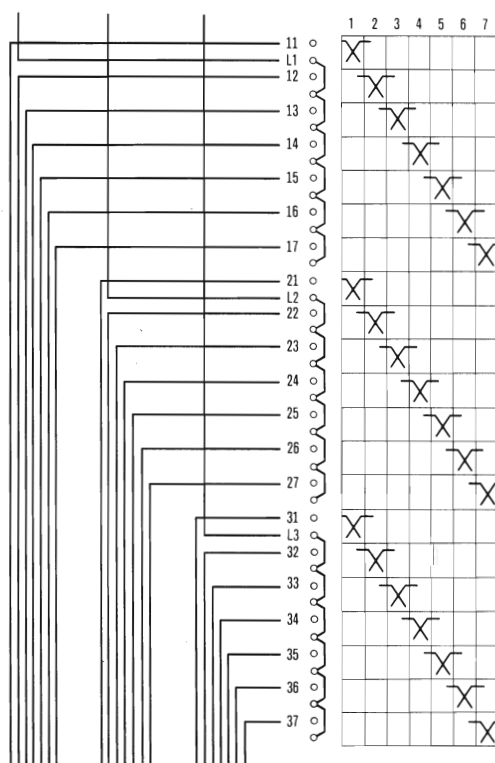
FS 410



**T0-11-15040**  
**T3-11-15040**



FS 428



**T0-11-15021**  
**T3-11-15021**



FS 412

Betriebsarten-Wahlschalter  
für Pressensteuerungen

Operating mode selector  
switch for press controls

Sélecteur de modes  
pour commandes de presse

T0-...-.../E  
Schaltwinkel 60 Grad  
+ Zylinderschloß-Sperre  
+ Abdeckhaube  
+ Zusatzschild

T0-...-.../E  
Switching angle 60 degrees  
+ Cylinder lock  
+ Cover  
+ Additional plate

T0-...-.../E  
Angle de rotation 60°  
+ Verrouillage en rotation par serrure à clé  
+ Capot  
+ Plaque indicatrice

**Betriebsarten:**

- 0 Sperrung
- 1 Einrichten über 2 Hand
- 2 Einzelhub-2 Hand

**Operating modes:**

- 0 Lock
- 1 Setting 2-hand
- 2 Single stroke 2-hand

**Modes de fonctionnement:**

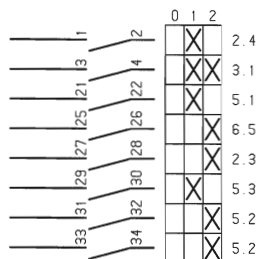
- 0 Verrouillage
- 1 Réglage à 2 mains
- 2 Course isolée à 2 mains

T0-4-15551/E  
+SVA-T3  
+H3-T0  
+Bezeichnungsschild/Front plate/Plastron:

0 Sperrung  
1 Einrichten  
2 Einzelhub-2 Hand

0 Lock  
1 Setting 2-hand  
2 Single stroke 2-hand

0 Verrouillage  
1 Réglage à 2 mains  
2 Course isolée à 2 mains



**T0-4-15551  
T3-4-15551**



FS 614

**Betriebsarten:**

- 0 Sperrung
- 1 Einrichten über 2 Hand
- 2 Einzelhub-2 Hand
- 3 Einzelhub-Fuß
- 4 autom. Dauerlauf-Fuß

**Operating modes:**

- 0 Lock
- 1 Setting 2-hand
- 2 Single stroke 2-hand
- 3 Single stroke foot
- 4 Autom. continuous operation foot

**Modes de fonctionnement:**

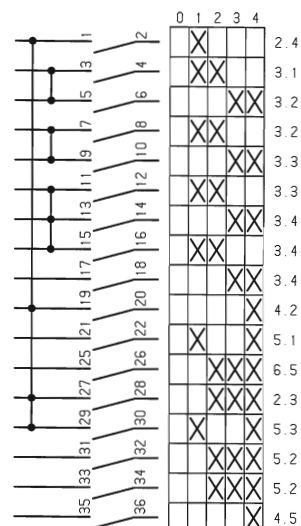
- 0 Verrouillage
- 1 Réglage à 2 mains
- 2 Course isolée à 2 mains
- 3 Course isolée au pied
- 4 Marche continue automatique au pied

T0-9-15552/E  
+SVA-T3  
+H4-T0  
+Bezeichnungsschild/Front plate/Plastron:  
BSAK 105 x 37 (...)

0 Sperrung  
1 Einrichten  
2 Einzelhub-2 Hand  
3 Einzelhub-Fuß  
4 autom. Dauerlauf-Fuß  
3+4 nur für sichere Werkzeuge

0 Lock  
1 Setting  
2 Single stroke 2-hand  
3 Single stroke foot  
4 Autom. continuous operation foot  
3+4 only for safe tools

0 Verrouillage  
1 Réglage  
2 Course isolée à 2 mains  
3 Course isolée au pied  
4 Marche continue automatique au pied  
3+4 uniquement pour les outils sécurés



**T0-9-15552  
T3-9-15552**



FS 618

# Betriebsarten-Wahlschalter

Operating mode selector switch  
Sélecteur de modes

Betriebsarten-Wahlschalter  
für Pressensteuerungen

Operating mode selector  
switch for press controls

Sélecteur de modes  
pour commandes de presse

T0-...-.../E  
Schaltwinkel 60 Grad  
+ Zylinderschloß-Sperre  
+ Abdeckhaube  
+ Zusatzschild

T0-...-.../E  
Switching angle 60 degrees  
+ Cylinder lock  
+ Cover  
+ Additional plate

T0-...-.../E  
Angle de rotation 60°  
+ Verrouillage en rotation par serrure à clé  
+ Capot  
+ Plaque indicatrice

## Betriebsarten:

- 0 Sperrung
- 1 Einrichten über 2 Hand
- 2 Einzelhub-2 Hand
- 3 Einzelhub-Fuß
- 4 Autom. Dauerlauf-Fuß
- 5 Dauerlauf-Fuß

## Operating modes:

- 0 Lock
- 1 Setting 2-hand
- 2 Single stroke 2-hand
- 3 Single stroke foot
- 4 Autom. continuous operation foot
- 5 Continuous operation foot

## Modes de fonctionnement

- 0 Verrouillage
- 1 Réglage à 2 mains
- 2 Course isolée à 2 mains
- 3 Course isolée au pied
- 4 Marche continue automatique au pied
- 5 Marche continue au pied

T0-9-15553/E  
+SVA-T3  
+H4-T0  
+Bezeichnungsschild/Front plate/Plastron:

0 Sperrung	3 Einzelhub-Fuß
1 Einrichten	4 Autom. Dauerlauf-Fuß
2 Einzelhub-2 Hand	5 Dauerlauf-Fuß

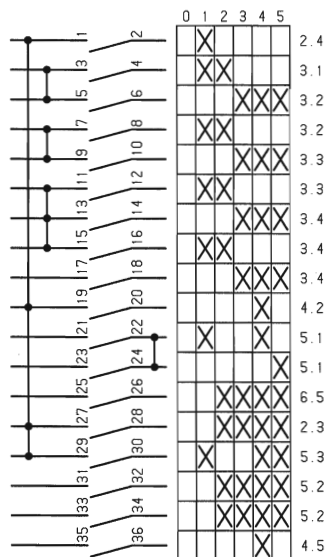
3,4,5 nur für sichere Werkzeuge

0 Lock	3 Single stroke foot
1 Setting 2-hand	4 Autom. continuous operation foot
2 Single stroke 2-hand	5 Continuous operation foot

3,4,5 only for safe tools

0 Verrouillage	3 Course isolée au pied
1 Réglage à 2 mains	4 Marche continue automatique au pied
2 Course isolée à 2 mains	5 Marche continue au pied

3,4,5 uniquement pour les outils sécurés



T0-9-15553  
T3-9-15553



FS 620

## Betriebsarten:

- 1 Aus
- 2 Einrichten
- 3 Einzelhub
- 4 Dauerhub
- 5 Autom. Einzelhub
- 6 Autom. Dauerhub

## Operating modes:

- 1 OFF
- 2 Setting
- 3 Single stroke
- 4 Continuous stroke
- 5 Autom. single stroke
- 6 Autom. continuous stroke

## Modes de fonctionnement:

- 1 ARRET
- 2 Réglage
- 3 Course isolée
- 4 Course continue
- 5 Course isolée Auto
- 6 Course continue Auto

T0-6-15554/E  
+SVA-T3  
+H4-T0  
+Bezeichnungsschild/Front plate/Plastron:

1 AUS	4 Dauerhub
2 Einrichten	5 Autom. Einzelhub
3 Einzelhub	6 Autom. Dauerhub

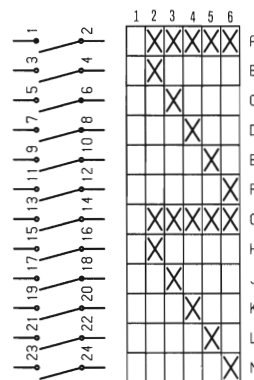
4,5,6 nur für sichere Werkzeuge

1 OFF	4 Continuous stroke
2 Setting	5 Autom. single stroke
3 Single stroke	6 Autom. continuous stroke

4,5,6 only for safe tools

1 ARRET	4 Course continue
2 Réglage	5 Course isolée Auto
3 Course isolée	6 Course continue Auto

4,5,6 uniquement pour les outils sécurés



T0-6-15554  
T3-6-15554



FS 610

nach Verwendungszweck  
by application  
classés par type d'application

**Baugröße T5B, T5 bis  $I_u = 100$  A**  
**Switch size T5B, T5 up to  $I_u = 100$  A**  
**Modèle T5B, T5 jusqu'à  $I_u = 100$  A**

**3/02**

# Nockenschalter / Rotary switches / Commutateurs à cames

## Verwendungszweck

Die Angabe eines Verwendungszweckes, wie „Polumschalter“ bezeichnet das Haupteinsatzgebiet. Der Schalter ist genauso gut als Steuerungsschalter oder z. B. Heizungsschalter einsetzbar, wenn die Schaltung und die technischen Daten mit der Projektierung übereinstimmen.

## Application

An application such as “Multi-speed switches” defines the main area of application. The switch can be used just as well as a control switch or e. g. heater switch if the contact sequence and the technical data meet design requirements.

## Type d'application

L'indication d'un type d'application comme «Commutateur de pôles» désigne le principal domaine d'utilisation de l'appareil. Ce dernier peut toutefois être utilisé pour d'autres applications (commutateur de commande ou de chauffage, par exemple), à condition que le schéma et les caractéristiques techniques soient adaptées.

<b>Hauptschalter</b> Reparaturschalter Sicherheitsschalter EIN-AUS-Schalter	<b>Main switches</b> Maintenance switch Safety switch ON-OFF switch	<b>Interrupteurs généraux</b> Interrupteurs de réparation Interrupteurs de sécurité Commutateurs Marche-Arrêt
<b>Umschalter</b>	<b>Changeover switches</b>	<b>Inverseurs</b>
<b>Wende-Schalter</b>	<b>Reversing switches</b>	<b>Inverseurs de marche</b>
<b>Stern-Dreieck-Schalter</b>	<b>Star-delta switches</b>	<b>Commutateurs étoile-triangle</b>
<b>Wende-Stern-Dreieck-Schalter</b>	<b>Reversing star-delta switches</b>	<b>Inverseurs étoile-triangle</b>
<b>Polumschalter</b>	<b>Speed switches</b>	<b>Commutateurs de pôles</b>
<b>Wende-Polumschalter</b>	<b>Speed reversing switches</b>	<b>Inverseurs-commutateurs de pôles</b>
<b>Polumschalter</b> 2 Drehzahlen, 2 getrennte Wicklungen 3 Drehzahlen, 2 getrennte Wicklungen 3 Drehzahlen, 1 Wicklung 4 Drehzahlen, 2× Dahlander	<b>Speed switches</b> 2 speeds, 2 separate windings 3 speeds, 2 separate windings 3 speeds, 1 winding 4 speeds, 2 tapped windings	<b>Commutateurs de pôles</b> 2 vitesses, 2 enroulements séparés 3 vitesses, 2 enroulements séparés 3 vitesses, 1 enroulement 4 vitesses, 2 couplages «Dahlander»
<b>Mehr-Motoren-Schalter</b>	<b>Multi motor switches</b>	<b>Commutateurs pour plusieurs moteurs</b>
<b>Hilfsphasen-Schalter</b>	<b>Single-phase switches</b>	<b>Commutateurs de phases auxiliaires</b>
<b>Steuermotorschalter</b>	<b>Switches for servo-motors</b>	<b>Commutateurs pour servo-moteurs</b>
<b>Synchronisierschalter</b>	<b>Synchronizing switches</b>	<b>Sélecteurs de synchronisation</b>
<b>Heizungsschalter</b>	<b>Heater switches</b>	<b>Commutateurs de chauffage</b>
<b>Stufenschalter</b> mit/ohne Nullstellung mit unterbrechungsloser Umschaltung mit Zuschaltung von Stufen mit Nullstellung	<b>Step switches</b> with/without “OFF”-position with non-interrupted changeover with incremental steps with “OFF”-position	<b>Commutateurs à gradins</b> avec/sans position «0» sans interruption à la commutation mise en service de crans avec position «0»
<b>Spannungsmesser-Umschalter</b>	<b>Voltmeter selector switches</b>	<b>Commutateurs de voltmètre</b>
<b>Strommesser-Umschalter</b>	<b>Ammeter selector switches</b>	<b>Commutateurs d'ampèremètre</b>
<b>Spannungs-Strommesser-Umschalter</b>	<b>Voltmeter-ammeter selector switches</b>	<b>Commutateurs de voltmètre/ampèremètre</b>
<b>Leistungsmesser-Umschalter</b>	<b>Wattmeter selector switches</b>	<b>Commutateurs de wattmètre</b>
<b>Leistungsfaktormesser-Umschalter</b>	<b>Power factor selector switches</b>	<b>Commutateurs de mesure de cos phi</b>
<b>Meßstellen-Umschalter</b>	<b>Test-point selector switches</b>	<b>Commutateurs de points de mesure</b>
<b>Steuerschalter</b> Tastschalter Stellschalter Umschalter	<b>Control switches</b> Impulse switches Stay-put switch Changeover switches	<b>Commutateurs de commande</b> Commutateurs à retour automatique Commutateurs à position stables Inverseurs
<b>Programmschalter</b>	<b>Mode selector switches</b>	<b>Sélecteurs de service</b>
<b>Wechselstromschalter</b>	<b>A.C. switches</b>	<b>Commutateurs pour courant alternatif</b>
<b>Codierschalter</b>	<b>Coding switches</b>	<b>Commutateurs de codage</b>
<b>Spezialschalter</b>	<b>Special switches</b>	<b>Commutateurs spéciaux</b>
<b>Standardisierte Verriegelungen</b>	<b>Standard interlock</b>	<b>Verrouillage standards</b>
<b>Betriebsarten-Wahlschalter</b>	<b>Operating mode selector switches</b>	<b>Sélecteurs de modes</b>



# Nockenschalter / Rotary switches / Commutateurs à cames Standardschaltungen / Standard contact sequences / Schémas standards

## Baugröße / Switch size / Taille

T0	T3	T5B	T5
Bemessungsbetriebsleistung AC-3 / Rated operational power AC-3 / Puissance assignées d'emploi AC-3			
4 kW (380–440 V)	11 kW (380–440 V)	22 kW (380–440 V)	37 kW (380–440 V)
Bemessungsdauerstrom / Rated uninterrupted current / Courant assigné ininterrompu			
20 A	32 A	63 A	100 A
2/04			3/03
2/04			3/03
2/06 + 2/78			3/02 + 3/05
2/07 + 2/78			3/06
2/11			3/11
2/13			3/13
2/16			3/17
2/17			3/18
2/20			3/21
2/21			3/22
2/24			3/25
2/30 + 2/79			3/32
2/31 + 2/80			3/33
2/31			3/34
2/32			3/35
2/34			
2/34			
2/35			3/37
2/37 + 2/81			3/39
2/49 + 2/81			3/56
2/54			3/58
2/56			
2/58			
2/60			3/60
2/62			
2/63			
2/63			
2/65			
2/66			3/61
2/70			3/63
2/72			3/64
2/74			
2/75			3/65
2/76			
2/77			
2/89			3/66

Pole  
Poles  
Pôles

Typ  
Type  
Type

Typ  
Type  
Type



FS 908


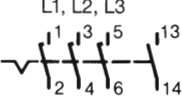
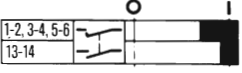
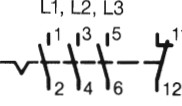
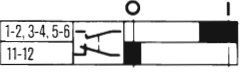
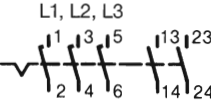
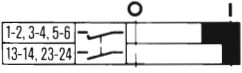
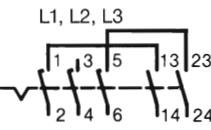
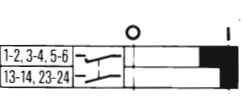
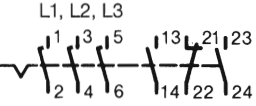
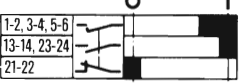
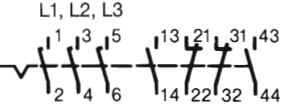
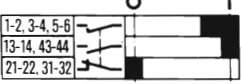
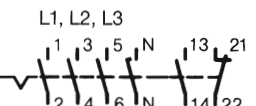

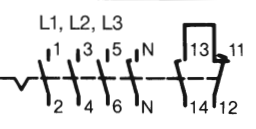

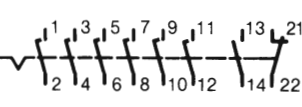

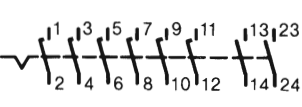
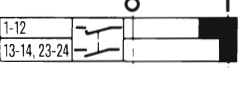
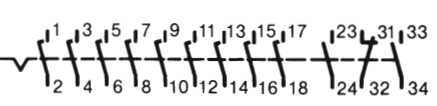
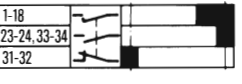
Pole	Symbol	Typ	Typ
1	1 ○	T5B-1-8200	T5-1-8200
	2 ○		
2	3 ○	T5B-1-102	T5-1-102
	4 ○		
3	5 ○	(T5B-2-1) P3-63	(T5-2-1) P3-100
	6 ○		
4	7 ○	*) T5B-2-8293	*) T5-2-8293
	8 ○		
5	9 ○	T5B-3-8341	T5-3-8341
	10 ○		
6	11 ○	T5B-3-8342	T5-3-8342
	12 ○		
7	13 ○	T5B-4-8343	T5-4-8443
	14 ○		
8	15 ○	T5B-4-8344	T5-4-8344
	16 ○		
9	17 ○	T5B-5-8345	T5-5-8345
	18 ○		
10	19 ○	T5B-5-8346	T5-5-8346
	20 ○		
11	21 ○	T5B-6-8347	T5-6-8347
	22 ○		
12	23 ○	T5B-6-8348	T5-6-8348
	24 ○		
13	25 ○	T5B-7-8349	T5-7-8349
	26 ○		
14	27 ○	T5B-7-8350	T5-7-8350
	28 ○		
15	29 ○	T5B-8-8351	T5-8-8351
	30 ○		
16	31 ○	T5B-8-8352	T5-8-8352
	32 ○		
	33 ○		
	34 ○		
18	35 ○	T5B-9-8354	T5-9-8354
	36 ○		
	37 ○		
	38 ○		
20	39 ○	T5B-10-8356	T5-10-8356
	40 ○		

\*) N = voreilend ein / early neutral / neutre à fermeture avancée

**Main switch, maintenance switch, safety switch**  
with load-sharing contacts and (or) position indicator  
**Interrupteurs généraux, interrupteurs de réparation,**  
**interrupteurs de sécurité**  
avec contact «de précoopure» et (ou) indicateur de position

# Hauptschalter, Reparaturschalter, Sicherheitsschalter

mit Lastabwurfkontakt und (oder) Schaltstellungs meldung

Hauptstrombahnen Main contacts Pôles principaux	Hilfsstrombahnen Auxiliary contacts Contacts auxiliaires		Kontakte Contacts Contacts	Schalt diagramm Contact diagram Diagrammes	 FS 908	Typ Type	alternativ Typ alternativ type alternatif réf.
	Schließer M Make F Travail	Öffner B Break O Repos					
3	1	-	L1, L2, L3 			T5B-2-15169 T5-2-15169	→ P3-63/.../HI11 → P3-100/.../HI11
3	-	1	L1, L2, L3 			T5B-2-113 T5-2-113	→ P3-63/.../HI11 → P3-100/.../HI11
3	2	-	L1, L2, L3 			T5B-3-15260 T5-3-15260	→ P3-63/.../2HI11 → P3-100/.../2HI11
3	2	-	L1, L2, L3 			T5B-3-15240 T5-3-15240	
3	2	1	L1, L2, L3 			T5B-3-15159 T5-3-15159	→ P3-63/.../HI11
3	2	2	L1, L2, L3 				P3-63/.../2HI11 P3-100/.../2HI11
3+N	1	1	L1, L2, L3 			T5B-3-130 T5-3-130	→ P3-63/.../HI11/N → P3-100/.../HI11/N
3+N	1	1	L1, L2, L3 			T5B-3-15284 T5-3-15284	
6	1	1				T5B-4-15164 T5-4-15164	
6	2	-				T5B-4-15700 T5-4-15700	
9	2	1				T5B-6-15168 T5-6-15168	


# Reparaturschalter, Sicherheitsschalter

mit Lastabwurfkontakt und Schaltstellungsanzeige

# Maintenance switch, safety switch

with load-sharing contacts and position indicator

Interrupteurs de réparation, interrupteurs de sécurité avec contact «de pré coupure» et indicateur de position

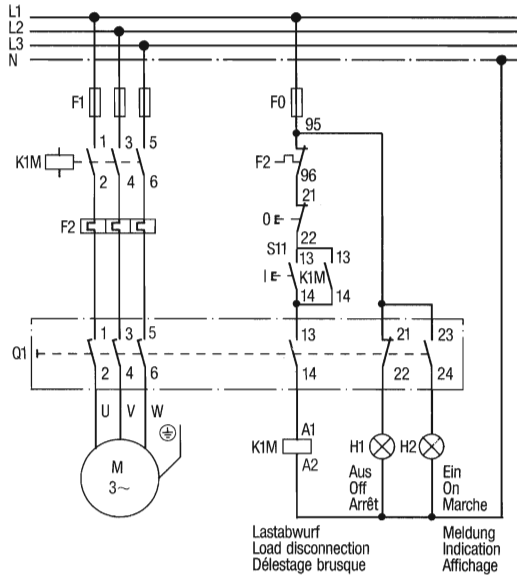
Hauptstrombahnen Main contacts Pôles principaux	Hilfsstrombahnen Auxiliary contacts Contacts auxiliaires	Sicherheitsschalter Safety switch Interrupteur de sécurité	 FS 908	Schalter Switch Commutateur
	Schließer M Make F Travail	Öffner B Break O Repos	Schaltprogramm identisch mit Contact diagram identical to Diagrammes identiques à	
	△ sond 30	△ sond 29	alter Typ, old type, ancienne réf.	neuer Typ new type nouvelle réf.

			Typ	Type	Type	
3	-	-	T4A-25/I-SVB			P3-63/I-SI
3	1	-	T4A-25/I-SVB+HI10			P3-63/I-SI+HI11
3	-	1	T4A-25/I-SVB+HI 01			P3-63/I-SI+HI11
3	2	-	T4A-25/I-SVB+HI 20	T4A-30/I3-SVB(+HI20)		P3-63/I-SI+2xHI11
3	2	1	T4A-25/I-SVB+HI 21	T4A-30/I3-SVB+HI21		P3-63/I-SI+2xHI11
3	2	2	T4A-25/I-SVB+HI 22	T4A-30/I3-SVB+HI22		P3-63/I-SI+2xHI11
3+N	-	-	T4A-254/I-SVB	T4A-304/I3-SVB		P3-63/I-SI+N
3+N	1	1	T4A-254/I-SVB+HI 11	T4A-304/I3-SVB+HI11		P3-63/I-SI+N+HI11
6	-	-	T4A-256/I-SVB	T4A-306/I3-SVB		T5B-3-8342/I-SI
6	1	1	T4A-256/I-SVB+HI 11	T4A-306/I3-SVB+HI11		T5B-4-15164/I-SI
6	2	-	T4A-256/I-SVB+HI 20	T4A-306/I3-SVB+HI20		T5B-4-15700/I-SI

Schaltungsbeispiel für einen Sicherheitsschalter mit Lastabwurfkontakt und Schaltstellungsanzeige

Example of a circuit diagram for a safety switch with load-sharing contacts and position indicator

Exemple de schéma pour un interrupteur de sécurité avec contact à délestage brusque et affichage de position

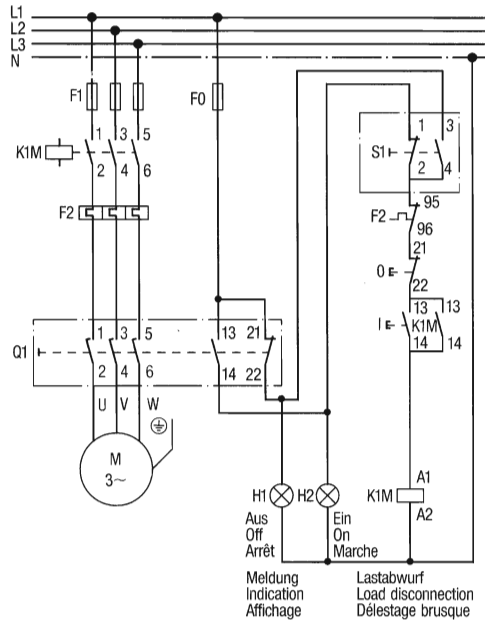


Q1 = Sicherheitsschalter Safety switch Interrupteur de sécurité

Schaltungsbeispiel für einen Sicherheitsschalter „Q1“ und Prüfschalter „S1“

Example of a circuit diagram for a safety switch „Q1“ and test switch „S1“

Exemple de schéma pour un interrupteur de sécurité «Q1» et un interrupteur de test «S1»

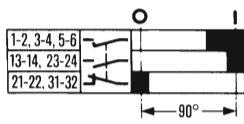


Q1 = Sicherheitsschalter Safety switch Interrupteur de sécurité

## Schaltprogramm

Hauptstrombahnen  
Hilfsstrombahnen Schließer  
Hilfsstrombahnen Öffner

Schaltwinkel



## Contact diagram

Main contacts  
Auxiliary contacts M contact  
Auxiliary contacts B contact

Switching angle

## Schéma

Pôles principaux  
Circuits auxiliaires contact (F)  
Circuits auxiliaires contact (O)

Secteur balayé

Pole Poles Pôles		Type Type Type	Type Type Type	
1		<b>T5B-1-15471</b>	<b>T5-1-15471</b>	
2		<b>T5B-1-15472</b>	<b>T5-1-15472</b>	
3		<b>T5B-2-15473</b>	<b>T5-2-15473</b>	
4	(N)	*) <b>T5B-2-15474</b>	*) <b>T5-2-15474</b>	
5		<b>T5B-3-15475</b>	<b>T5-3-15475</b>	
6		<b>T5B-3-15476</b>	<b>T5-3-15476</b>	
1		<b>T5B-1-15481</b>	<b>T5-1-15481</b>	
2		<b>T5B-1-15482</b>	<b>T5-1-15482</b>	
3		<b>T5B-2-15483</b>	<b>T5-2-15483</b>	
4		*) <b>T5B-2-15484</b>	*) <b>T5-2-15484</b>	
4		<b>T5B-2-8324</b>	<b>T5-2-8324</b>	
2		<b>T5B-1-8201</b>	<b>T5-1-8201</b>	
3		<b>T5B-2-8202</b>	<b>T5-2-8202</b>	
4		<b>T5B-2-8203</b>	<b>T5-2-8203</b>	
4				
3		<b>T5B-2-8224</b>	<b>T5-2-8224</b>	
4		*) <b>T5B-2-8225</b>	*) <b>T5-2-8225</b>	
2		<b>T5B-1-15108</b>	<b>T5-1-15108</b>	
				FS 926 Mit Rundschtaltung Complete rotation Commutation sans butée
4		*) <b>T5B-3-15042</b>	*) <b>T5-3-15042</b>	
				FS 926 Mit Rundschtaltung Complete rotation Commutation sans butée
1		<b>T5B-1-8001</b>	<b>T5-1-8001</b>	
2		<b>T5B-1-8002</b>	<b>T5-1-8002</b>	
3		<b>T5B-2-8208</b>	<b>T5-2-8208</b>	
				FS 925 Mit Rundschtaltung Complete rotation Commutation sans butée

\*) N = voreilend ein / early make neutral / neutre à fermeture avancée

# Umschalter

ohne 0-Stellung  
(Wechselschalter)

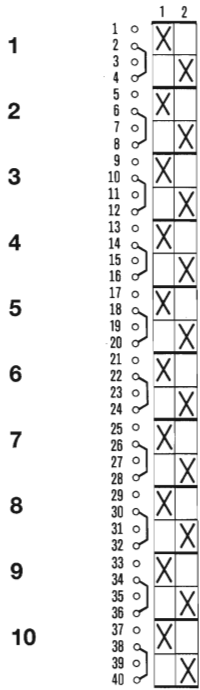
Change over switches  
without "OFF" Position  
(2 way switch)

Commutateurs de sélection  
sans position zéro  
(commutateur d'escalier)

Pole  
Poles  
Pôles

Typ  
Type  
Type

Typ  
Type  
Type



T5B-1-8220

T5-1-8220



FS 943

T5B-2-8221

T5-2-8221

T5B-3-8222

T5-3-8222

T5B-4-8223

T5-4-8223

T5B-5-8369

T5-5-8369

T5B-6-8370

T5-6-8370

T5B-7-8371

T5-7-8371

T5B-8-8372

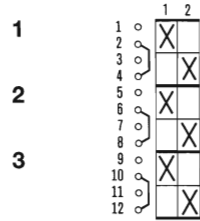
T5-8-8372

T5B-9-8373

T5-9-8373

T5B-10-8374

T5-10-8374



T5B-1-15441

T5-1-15441



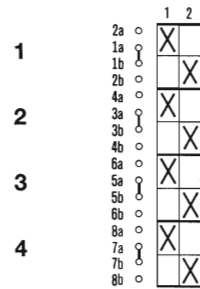
FS 902

T5B-2-15442

T5-2-15442

T5B-3-15443

T5-3-15443



T5B-1-34

T5-1-34



FS 943

T5B-2-39

T5-2-39

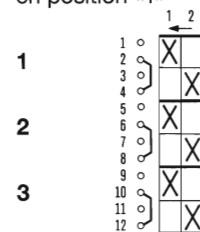
T5B-3-50

T5-3-50

T5B-4-90

T5-4-90

mit Rückzug nach „1“  
with spring return to "1"  
avec retour automatique  
en position «1»



T5B-1-8295

T5-1-8295



FS 496

T5B-2-8296

T5-2-8296

T5B-3-8297

T5-3-8297

Pole  
Poles  
Pôles

Type  
Type  
Type

Type  
Type  
Type

	1	0	2
1	X		
2			X
3	X		
4			X
5	X		
6			X
7	X		
8			X
9	X		
10			X
11	X		
12			X
13	X		
14			X
15	X		
16			X
17	X		
18			X
19	X		
20			X
21	X		
22			X
23	X		
24			X
25	X		
26			X
27	X		
28			X
29	X		
30			X
31	X		
32			X
33	X		
34			X
35	X		
36			X
37	X		
38			X
39	X		
40			X

T5B-1-8210

T5-1-8210



FS 684

T5B-2-8211

T5-2-8211

T5B-3-8212

T5-3-8212

T5B-4-8213

T5-4-8213

T5B-5-8361

T5-5-8361

T5B-6-8362

T5-6-8362

T5B-7-8363

T5-7-8363

T5B-8-8364

T5-8-8364

T5B-9-8365

T5-9-8365

T5B-10-8366

T5-10-8366

	1	0	2
1	X		
2			X
3	X		
4			X
5	X		
6			X
7	X		
8			X
9	X		
10			X
11	X		
12			X
13	X		
14			X
15	X		
16			X

T5B-1-8218

T5-1-8218



FS 953

T5B-2-8219

T5-2-8219

T5B-3-8299

T5-3-8299

T5B-4-8294

T5-4-8294

	2	0	1
1			X
2	X		
3			X
4	X		
5			X
6	X		
7			X
8	X		
9			X
10	X		
11			X
12	X		

T5B-1-15421

T5-1-15421



FS 429

T5B-2-15422

T5-2-15422

T5B-3-15423

T5-3-15423

	2	0	1
1			X
1a	X		
1b			X
2			X
2a	X		
2b			X
3			X
3a	X		
3b			X
4			X
4a	X		
4b			X
5			X
5a	X		
5b			X
6			X
6a	X		
6b			X
7			X
7a	X		
7b			X
8			X
8a	X		
8b			X

T5B-1-15180

T5-1-15180



FS 621

T5B-2-37

T5-2-37

T5B-3-7

T5-3-7

T5B-4-88

T5-4-88

# Umschalter

mit 0-Stellung  
(Gruppenschalter)

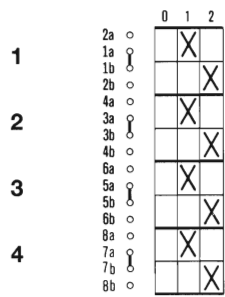
Change over switches  
with "OFF" Position  
(Group switch)

Commutateurs de groupe  
avec position zéro  
(Interrupteurs de groupe)

Pole  
Poles  
Pôles

Typ  
Type  
Type

Typ  
Type  
Type

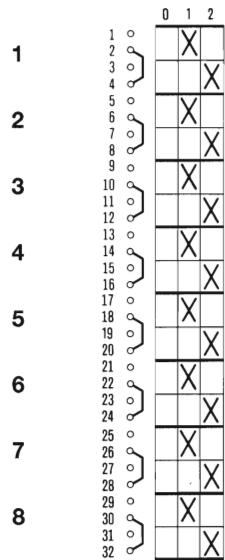


**T5B-2-35**

**T5-2-35**



FS 644



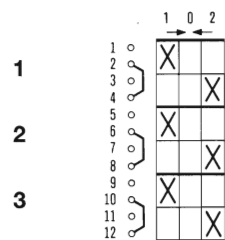
**T5B-4-8480**

**T5-4-8480**



FS 644

mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»



**T5B-1-8214**

**T5-1-8214**



FS 4011

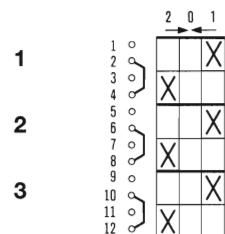
**T5B-2-8215**

**T5-2-8215**

**T5B-3-8216**

**T5-3-8216**

mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»



**T5B-3-15372**

**T5-3-15372**



FS 458

**T5B-4-15373**

**T5-4-15373**

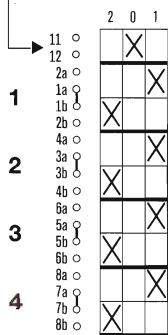


**Pole**  
Poles  
Pôles

**Typ**  
Type  
Type

**Typ**  
Type  
Type

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



Q1

**T5B-3-38**

**T5-3-38**

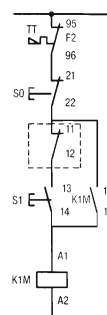
**T5B-4-48**

**T5-4-48**

**T5B-5-89**

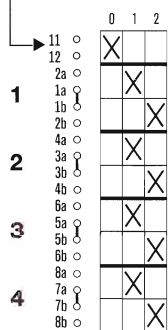
**T5-5-89**

**SOND 29**



FS 621

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



Q1

**T5B-3-36**

**T5-3-36**

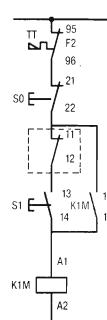
**T5B-4-47**

**T5-4-47**

**T5B-5-87**

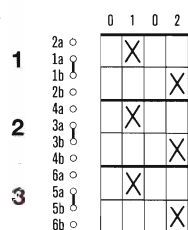
**T5-5-87**

**SOND 29**



FS 644

Rundschaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens



**T5B-1-15043**

**T5-1-15043**

**T5B-2-15044**

**T5-2-15044**

**T5B-3-15045**

**T5-3-15045**



FS 928

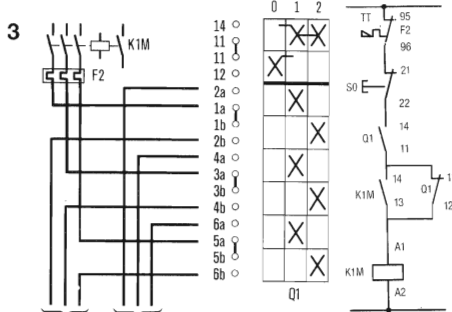
\*) sond 29:

**Verriegelung** mit Schütz  
Netzzuschaltung durch Schütz **nur**  
in der „0“-Stellung des Schalters  
(Nullstellungszwang)

**Interlocking** with contactor  
Mains connection by contactor  
**only** when cam switch is in "0"  
position (Off position interlock)

Avec asservissement supplémentaire  
par bouton de mise en marche  
Le contacteur ne se ferme qu'à la  
position «0» du commutateur

**Pole**  
Poles  
Pôles

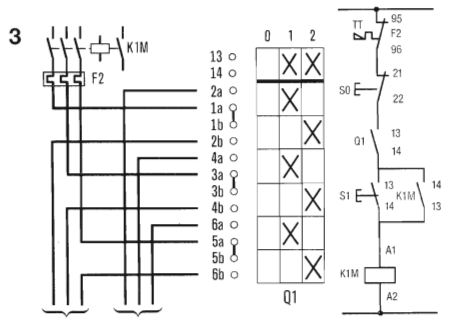


**T5B-4-46**  
**T5-4-46**



FS 644

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

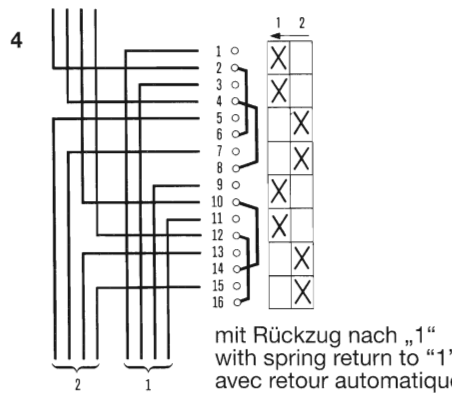


**T5B-4-135**  
**T5-4-135**



FS 644

mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*



**T5B-4-8298**  
**T5-4-8298**

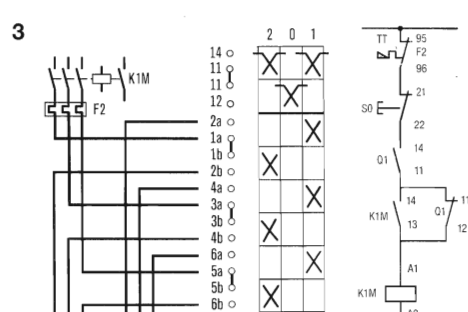


FS 496

mit Rückzug nach „1“  
with spring return to „1“  
avec retour automatique en position «1»

\*Seite/Page 3/66 & AWA

**Pole**  
Poles  
Pôles

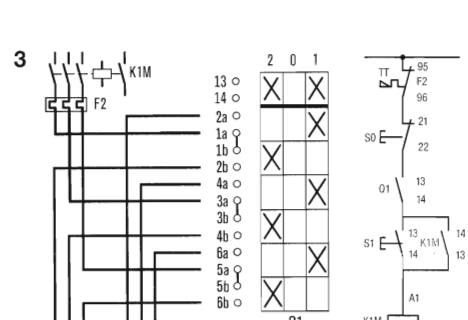


**T5B-4-49**  
**T5-4-49**



FS 621

mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

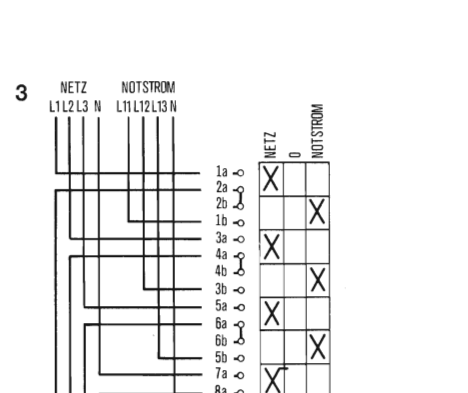


**T5B-4-106**  
**T5-4-106**



FS 621

mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*

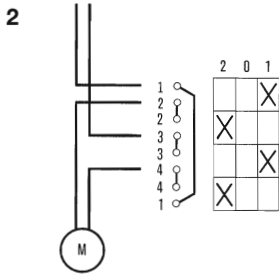


**T5B-4-41**  
**T5-4-41**



FS 161629

Pole  
Poles  
Pôles



T5B-2-18  
T5-2-18



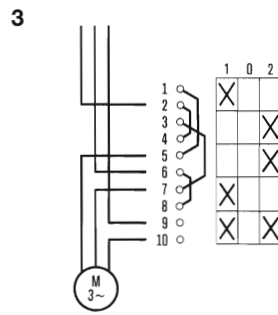
FS 621

T5B-2-23  
T5-2-23



FS 429

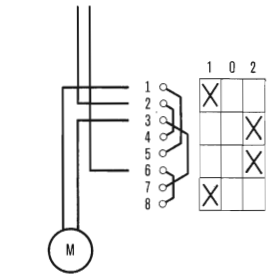
Pole  
Poles  
Pôles



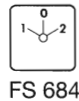
T5B-3-8401  
T5-3-8401



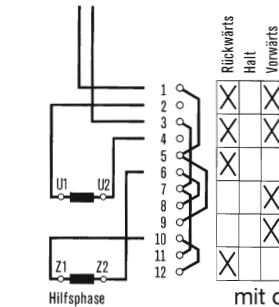
FS 684



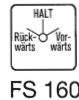
T5B-2-8400  
T5-2-8400



FS 684

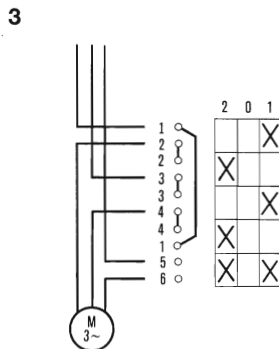


T5B-3-8622  
T5-3-8622

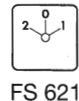


FS 160595

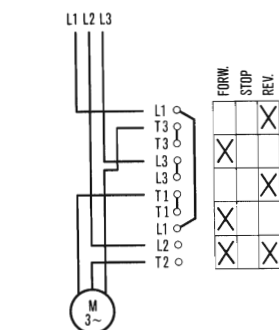
mit dauernd eingeschalteter **Hilfsphase**  
with permanently connected **auxiliary phase**  
avec **phase auxiliaire** fermée en permanence



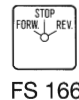
T5B-3-2  
T5-3-2



FS 621

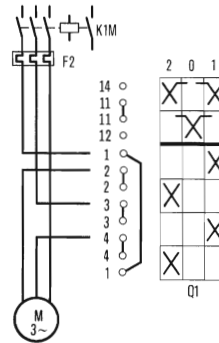


T5B-3-2/...+FS 1655  
T5-3-2/...+FS 1655



FS 1665

\* Seite/Page 3/66 & AWA



T5B-4-15190  
T5-4-15190

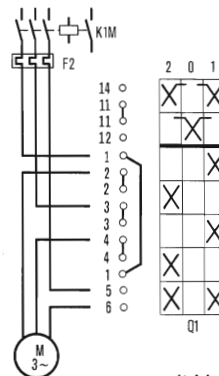


FS 913

mit Verriegelung (sond 27)\*  
(3. Phase nur über Schütz)

with interlocking provision (sond 27)\*  
3rd phase via contactor only

avec verrouillage (sond 27)\*  
3e phase par contacteur seulement

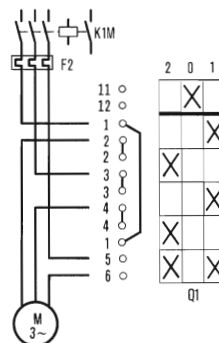


T5B-4-131  
T5-4-131

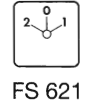


FS 621

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*



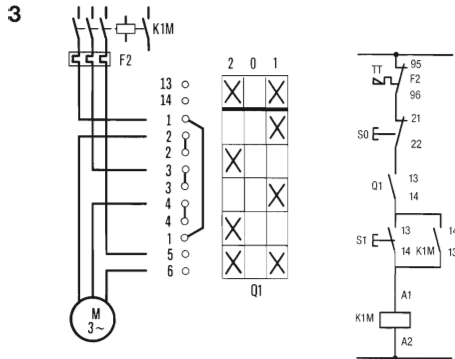
T5B-3-20  
T5-3-20



FS 621

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*

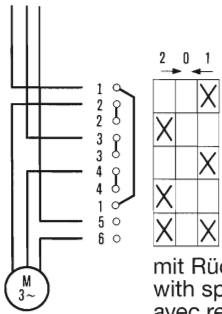
Pole  
Poles  
Pôles



**T5B-3-123**  
**T5-3-123**



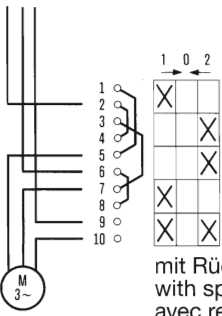
mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*



**T5B-3-190**  
**T5-3-190**



mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»

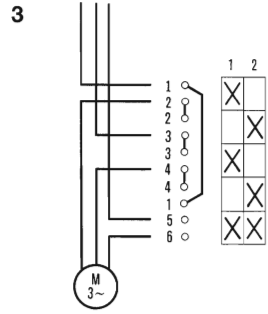


**T5B-3-8228**  
**T5-3-8228**

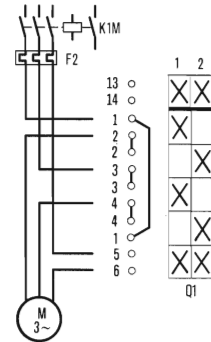


mit Rückzug nach „0“  
with spring return to „0“  
avec retour automatique en position «0»

Pole  
Poles  
Pôles



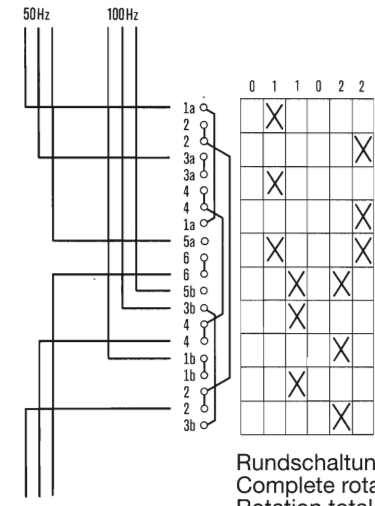
**T5B-3-115**  
**T5-3-115**



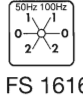
**T5B-3-21**  
**T5-3-21**



mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*



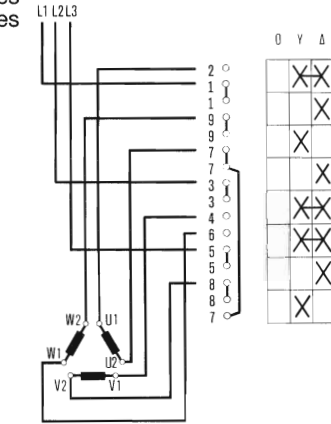
**T5B-5-15643**  
**T5-5-15643**



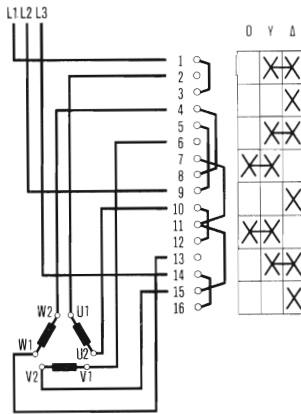
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

**Pole**  
Poles  
Pôles

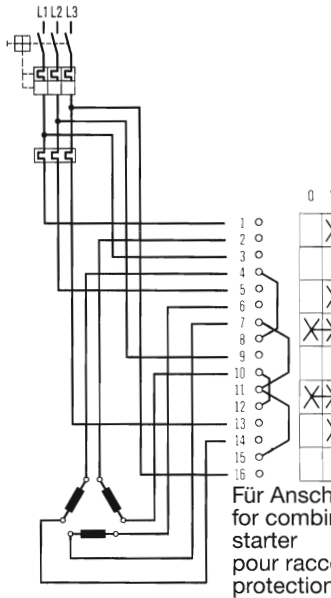
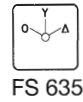
**3**



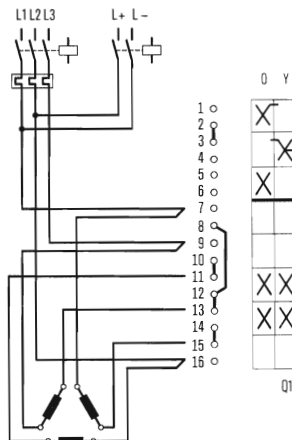
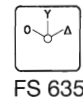
**T5B-4-3**  
**T5-4-3**



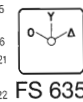
**T5B-4-8410**  
**T5-4-8410**



**T5B-4-8418**  
**T5-4-8418**



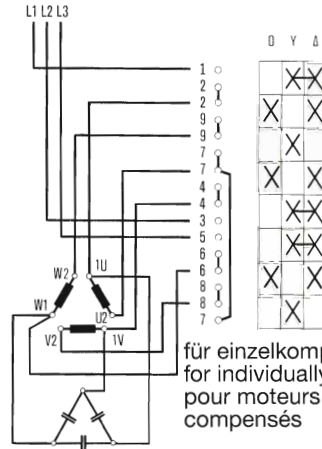
**T5B-4-15067**  
**T5-4-15067**



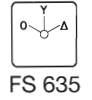
A1 Bremsgerät  
Braking device  
Appareil de freinage

**Pole**  
Poles  
Pôles

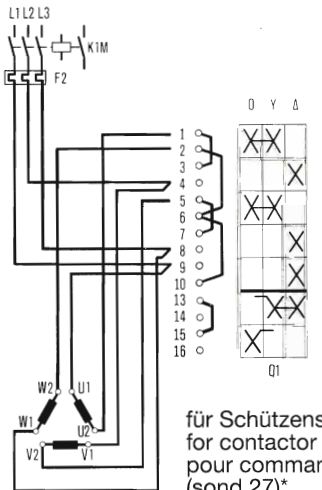
**3**



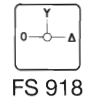
**T5B-4-15068**  
**T5-4-15068**



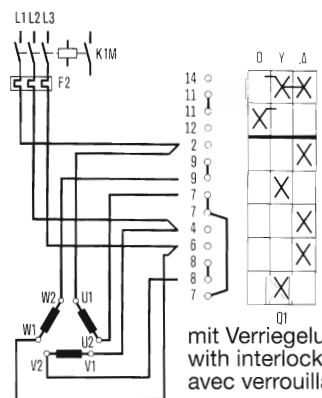
für einzelkompensierte Motoren  
for individually compensated motors  
pour moteurs individuellement  
compensés



**T5B-4-8419**  
**T5-4-8419**



für Schützensteuerung (sond 27)\*  
for contactor control (sond 27)\*  
pour commande par contacteurs  
(sond 27)\*



**T5B-4-24**  
**T5-4-24**

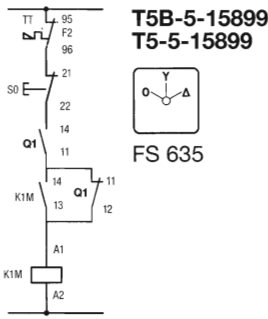
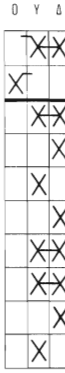
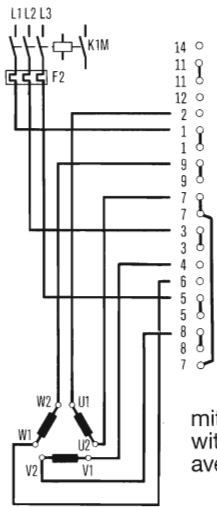


mit Verriegelung (sond 27)\*  
with interlocking provision (sond 27)\*  
avec verrouillage (sond 27)\*

\* Seite/Page 3/66 & AWA

Pole  
Poles  
Pôles

3



**T5B-5-15899**  
**T5-5-15899**

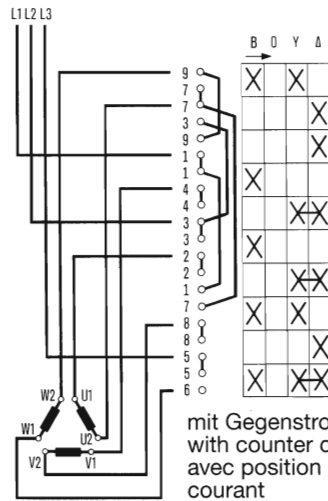


FS 635

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*

Pole  
Poles  
Pôles

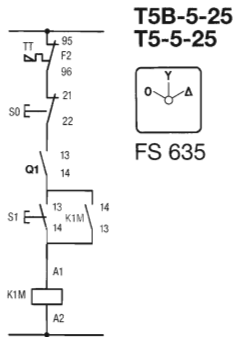
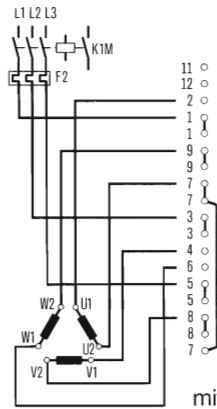
3



**T5B-5-15892**  
**T5-5-15892**

FS 4031

mit Gegenstrombremsung  
with counter current braking position  
avec position de freinage par contre-courant

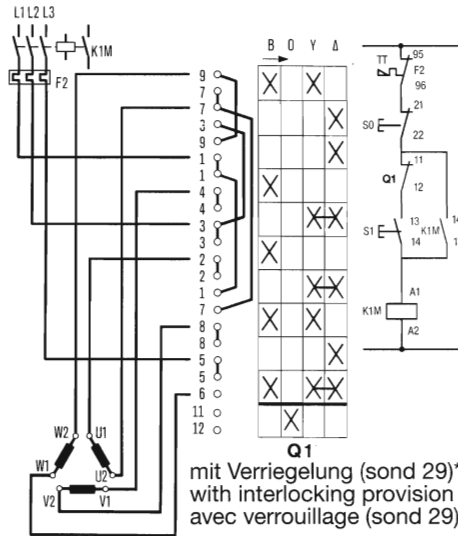


**T5B-5-25**  
**T5-5-25**



FS 635

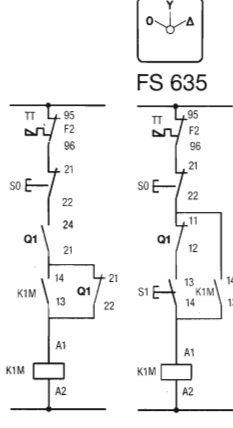
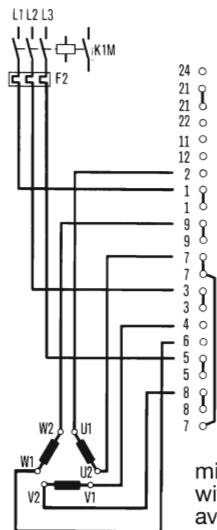
mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T5B-6-15893**  
**T5-6-15893**

FS 4031

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*  
mit Gegenstrombremsung  
with counter current braking position  
avec position de freinage par contre-courant



**T5B-6-126**  
**T5-6-126**

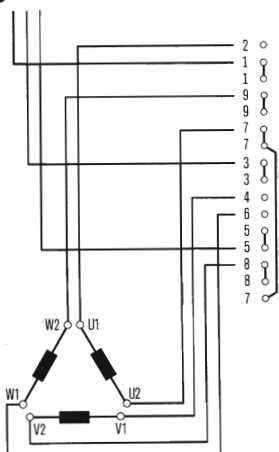


FS 635

mit Verriegelung (sond 28/29)\*  
with interlocking provision (sond 28/29)\*  
avec verrouillage (sond 28/29)\*

Pole  
Poles  
Pôles

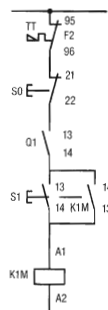
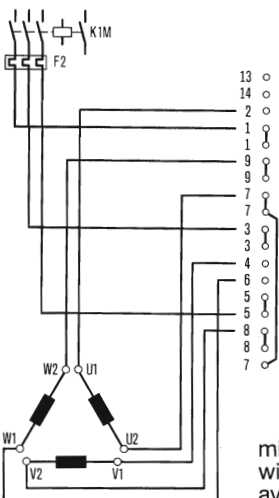
3



**T5B-4-133**  
**T5-4-133**



FS 642



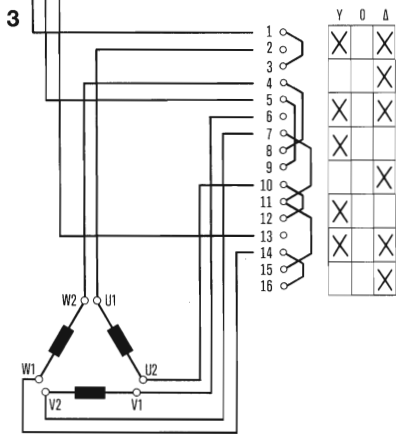
**T5B-5-134**  
**T5-5-134**



FS 642

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

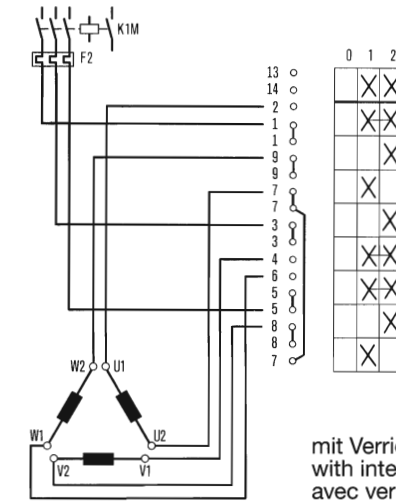
Pole  
Poles  
Pôles



**T5B-4-8417**  
**T5-4-8417**



FS 6322



**T5B-5-15900**  
**T5-5-15900**

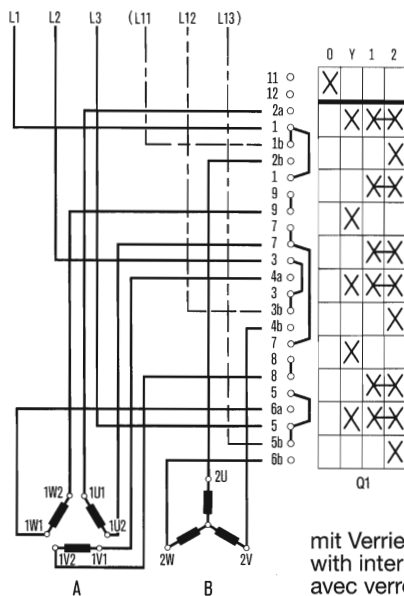


FS 644

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

Motor A:  
Stern-Dreieck-Anlauf    Star-delta starting    Démarrage étoile-triangle

Motor B:  
Direkt-Anlauf    Direct-on-line starting    Démarrage direct



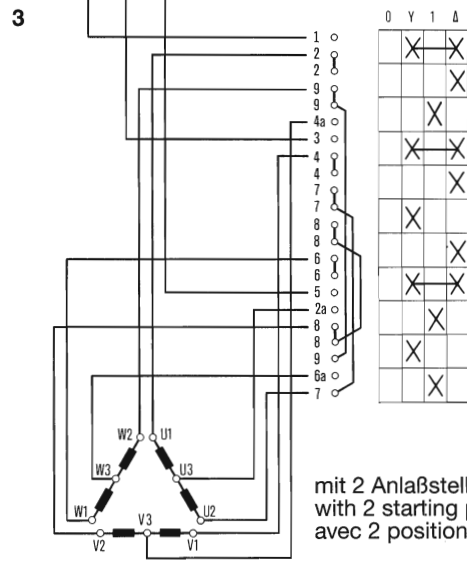
**T5B-6-15080**  
**T5-6-15080**



FS 42272

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*

Pole  
Poles  
Pôles

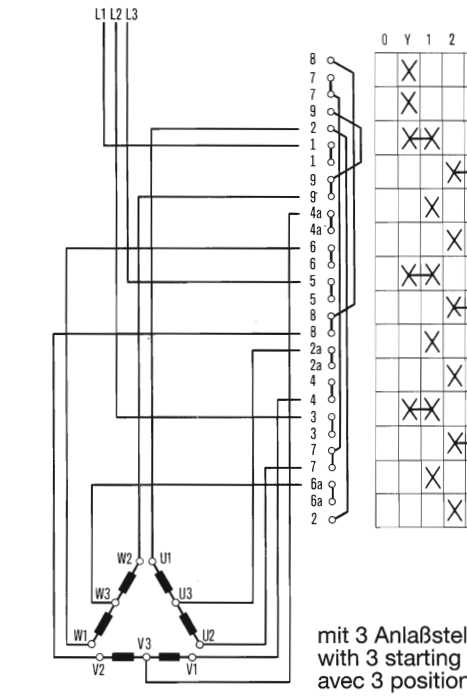
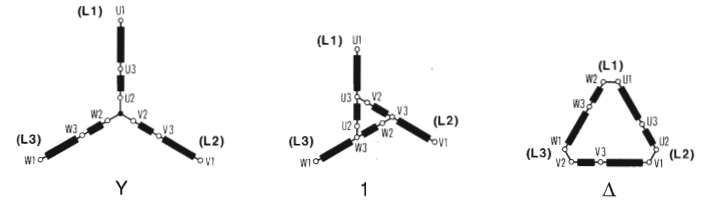


**T5B-6-15083**  
**T5-6-15083**



FS 41155

mit 2 Anlaßstellungen  
with 2 starting positions  
avec 2 positions de démarrage



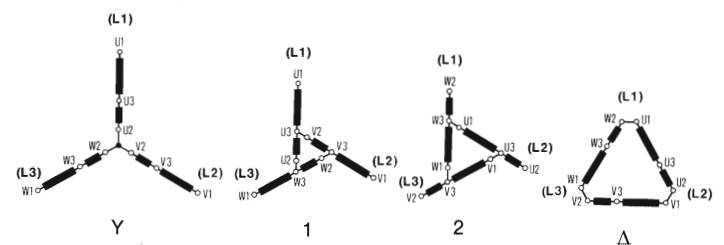
**T5B-10-15092**  
**T5-10-15092**



FS 41805

früherer Typ  
Previous Type  
Ancien type  
**T...-15084**

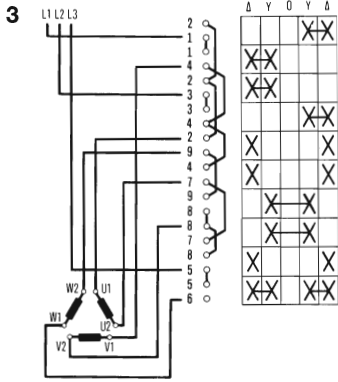
mit 3 Anlaßstellungen  
with 3 starting positions  
avec 3 positions de démarrage



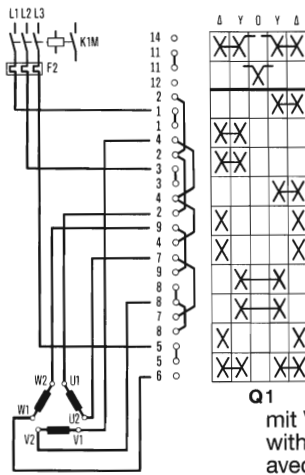
\* Seite/Page 3/66 & AWA



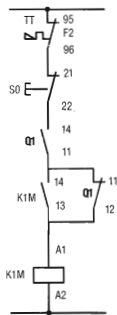
Pole  
Poles  
Pôles



**T5B-5-15896**  
**T5-5-15896**

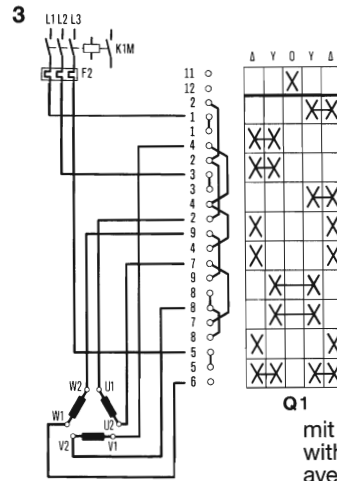


**T5B-7-15897**  
**T5-7-15897**

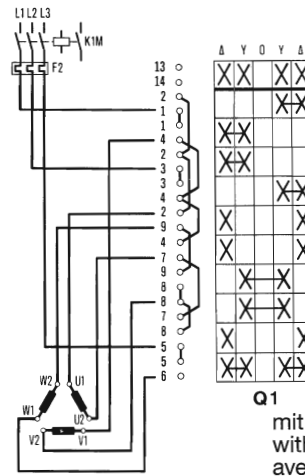


**Q1**  
mit Verriegelung (SOND 28)\*  
with interlocking provision (SOND 28)\*  
avec verrouillage (SOND 28)\*

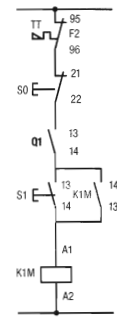
Pole  
Poles  
Pôles



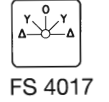
**T5B-6-15898**  
**T5-6-15898**



**Q1**  
mit Verriegelung (SOND 29)\*  
with interlocking provision (SOND 29)\*  
avec verrouillage (SOND 29)\*

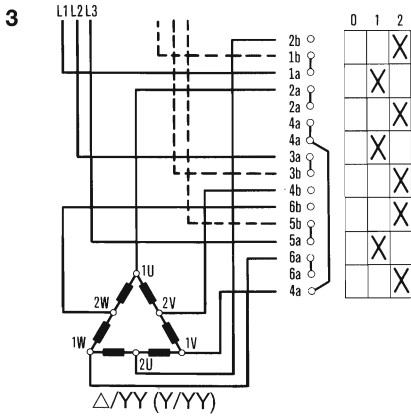


**T5B-6-15901**  
**T5-6-15901**

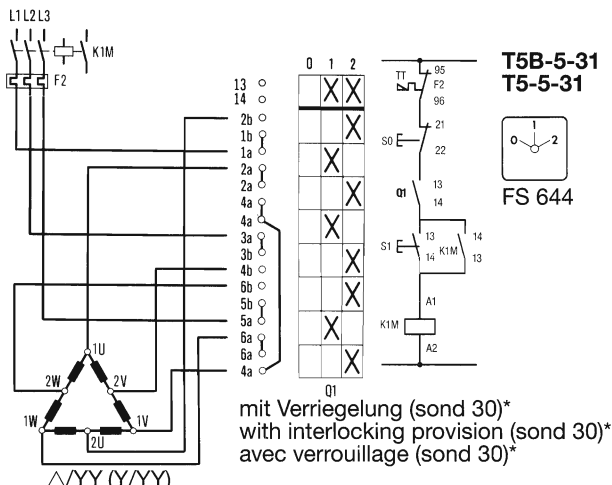
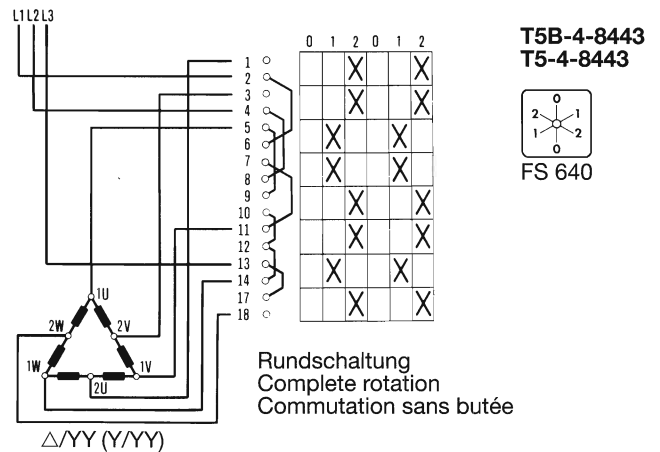
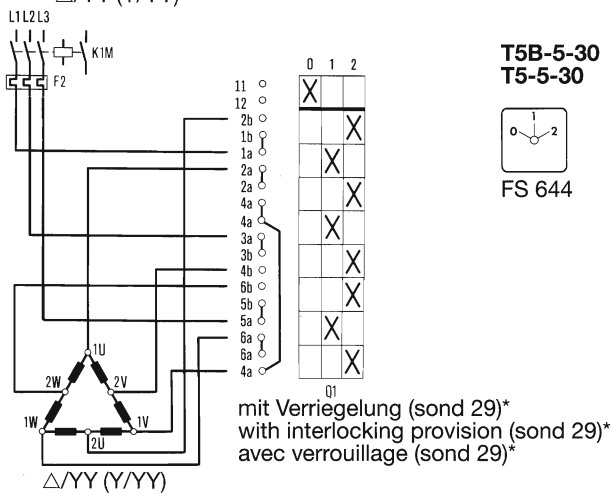
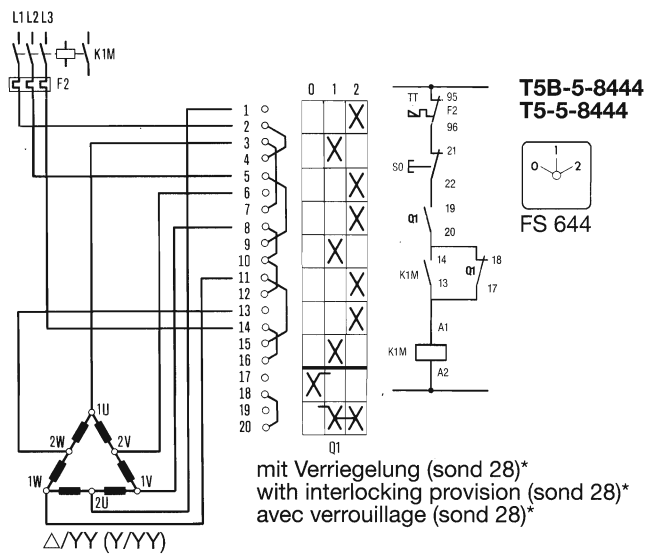
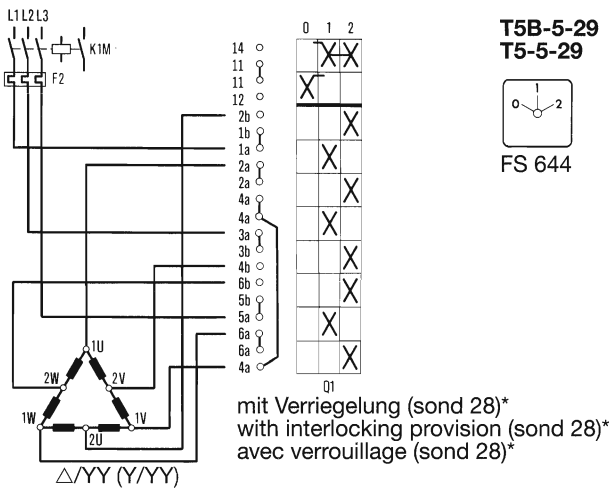
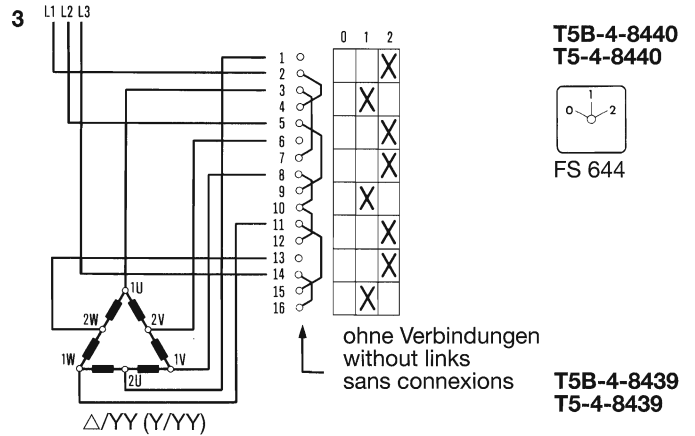


**Q1**  
mit Verriegelung (SOND 30)\*  
with interlocking provision (SOND 30)\*  
avec verrouillage (SOND 30)\*

**Pole**  
Poles  
Pôles



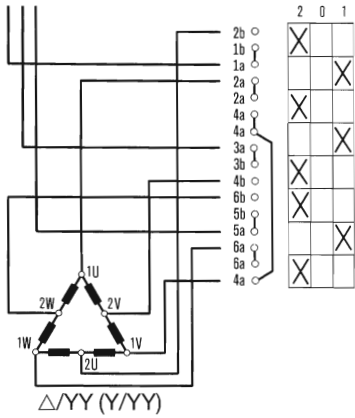
**Pole**  
Poles  
Pôles



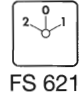
\* Seite/Page 3/66 & AWA

Pole  
Poles  
Pôles

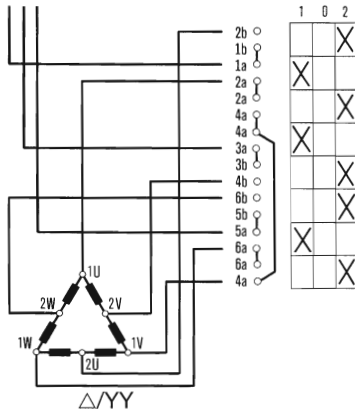
3



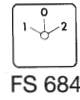
**T5B-4-5**  
**T5-4-5**



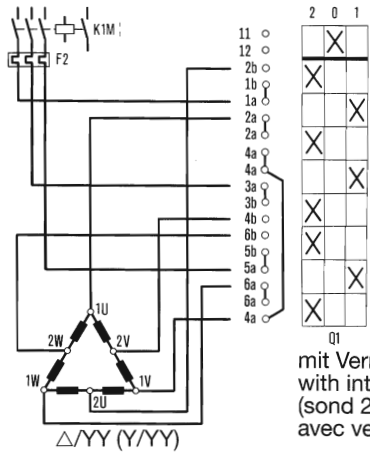
FS 621



**T5B-4-65**  
**T5-4-65**



FS 684

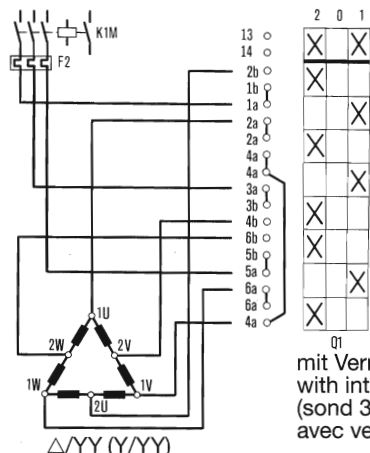


**T5B-5-33**  
**T5-5-33**



FS 621

mit Verriegelung (sond 29)\*  
with interlocking provision  
(sond 29)\*  
avec verrouillage (sond 29)\*



**T5B-5-124**  
**T5-5-124**

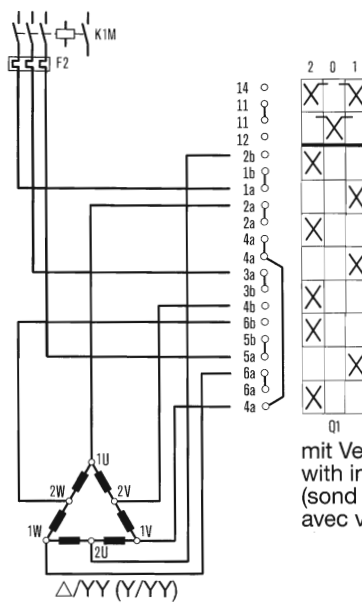


FS 621

mit Verriegelung (sond 30)\*  
with interlocking provision  
(sond 30)\*  
avec verrouillage (sond 30)\*

Pole  
Poles  
Pôles

3

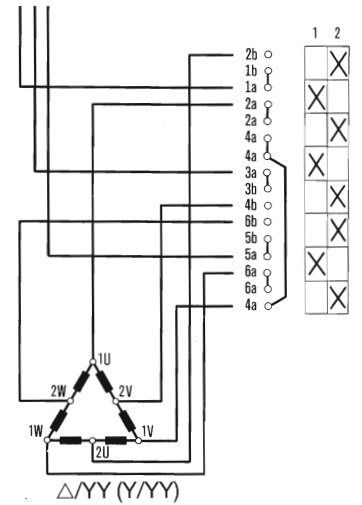


**T5B-5-32**  
**T5-5-32**

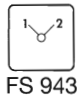


FS 621

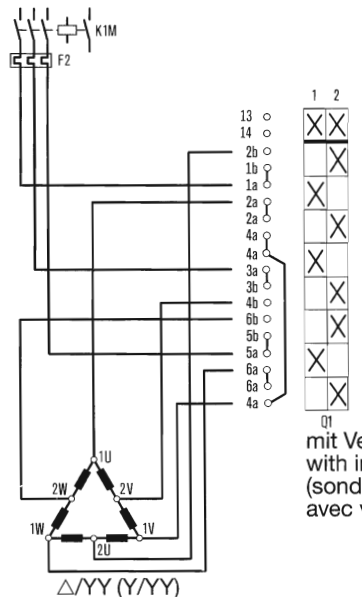
mit Verriegelung (sond 28)\*  
with interlocking provision  
(sond 28)\*  
avec verrouillage (sond 28)\*



**T5B-4-11**  
**T5-4-11**



FS 943



**T5B-5-119**  
**T5-5-119**

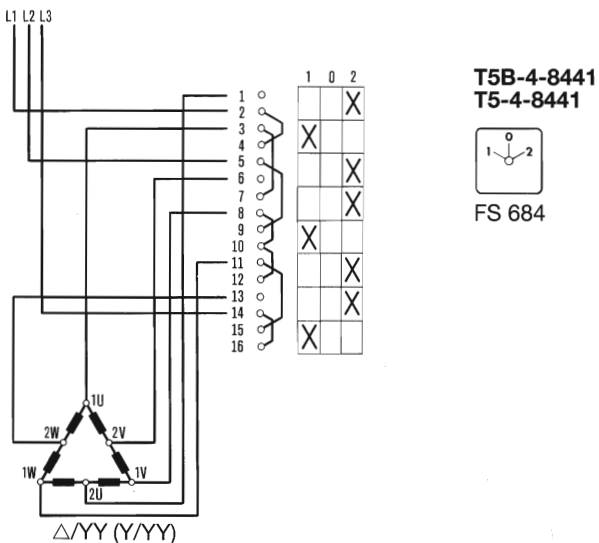
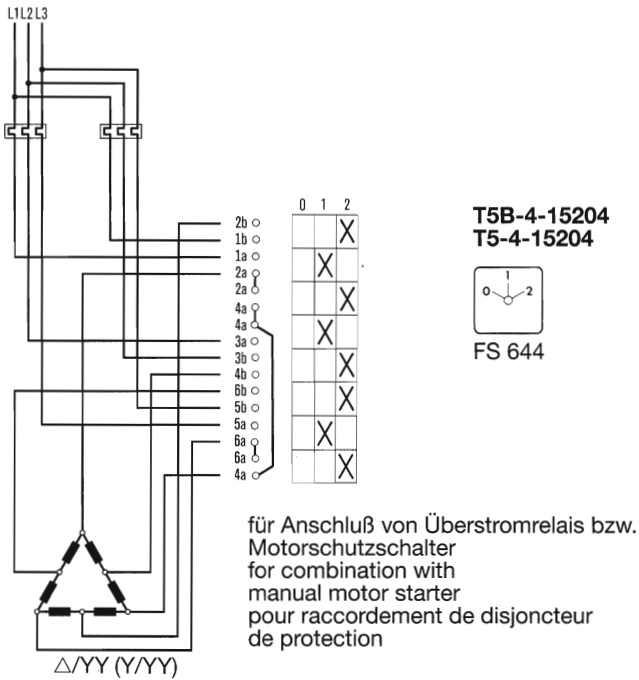
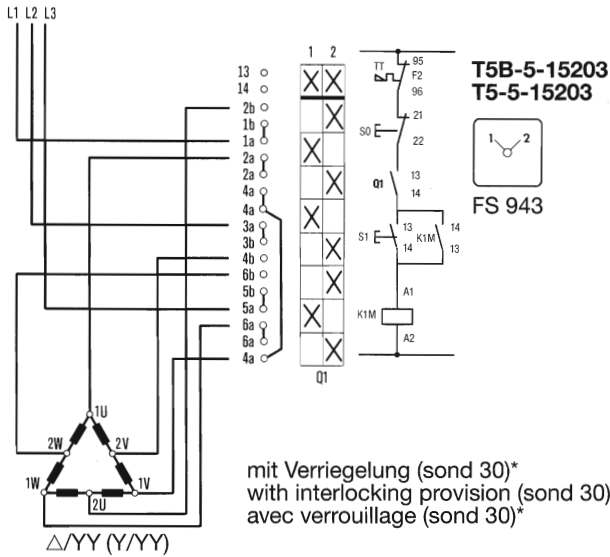


FS 601

mit Verriegelung (sond 30)\*  
with interlocking provision  
(sond 30)\*  
avec verrouillage (sond 30)\*

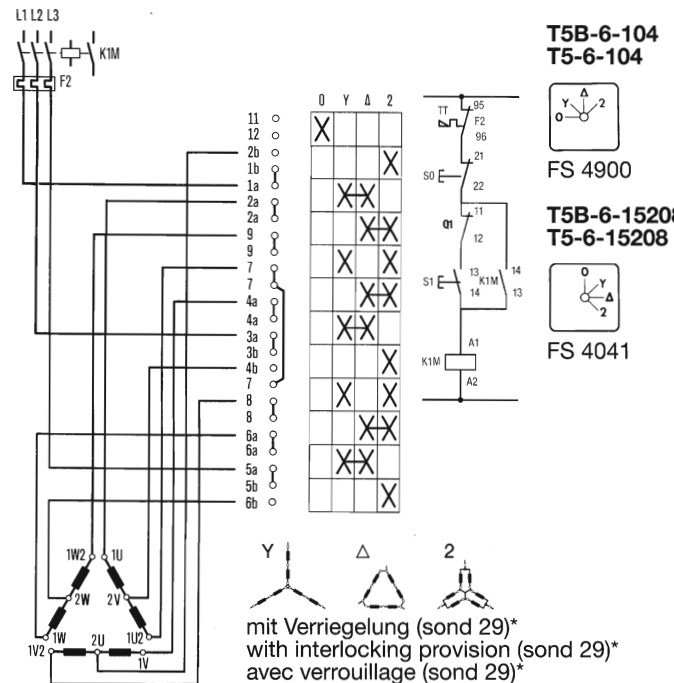
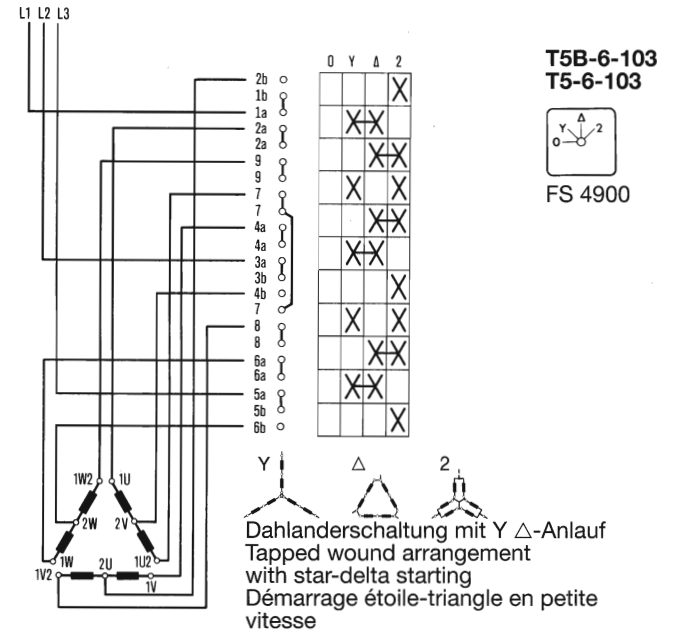
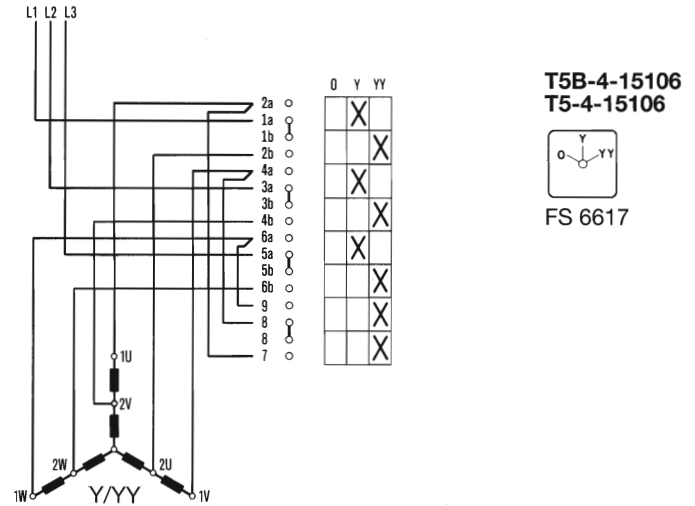
**Pole**  
Poles  
Pôles

3



**Pole**  
Poles  
Pôles

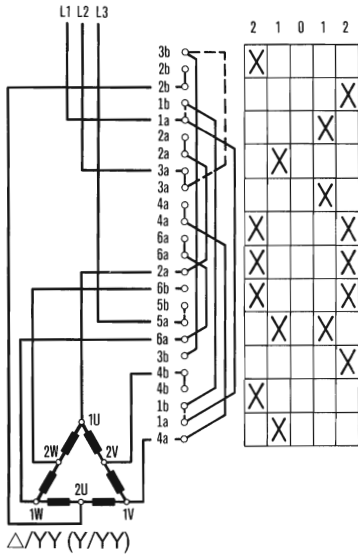
3



\* Seite/Page 3/66 & AWA

Pole  
 Poles  
 Pôles

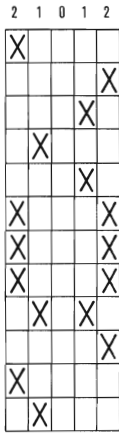
3



**T5B-7-66**  
**T5-7-66**

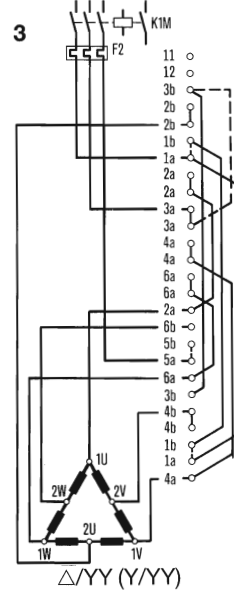


FS 441



Pole  
 Poles  
 Pôles

3



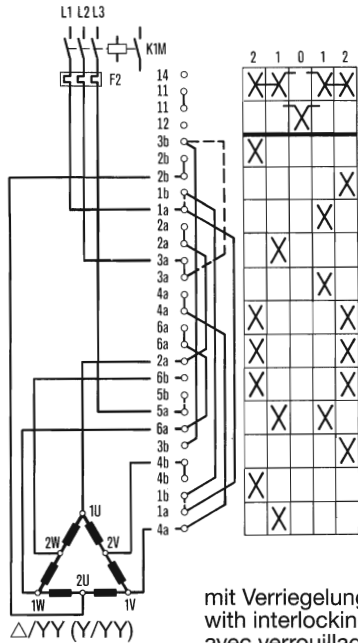
**T5B-7-69**  
**T5-7-69**



FS 441



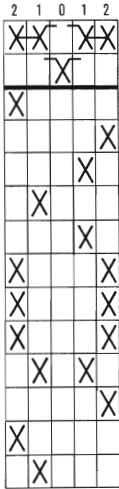
mit Verriegelung (sond 30)\*  
 with interlocking provision (sond 30)\*  
 avec verrouillage (sond 30)\*



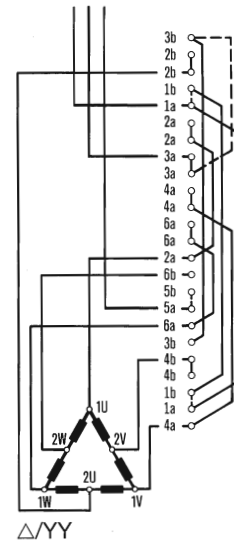
**T5B-9-67**  
**T5-9-67**



FS 441



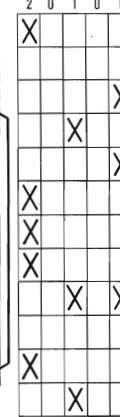
mit Verriegelung (sond 28)\*  
 with interlocking provision (sond 28)\*  
 avec verrouillage (sond 28)\*



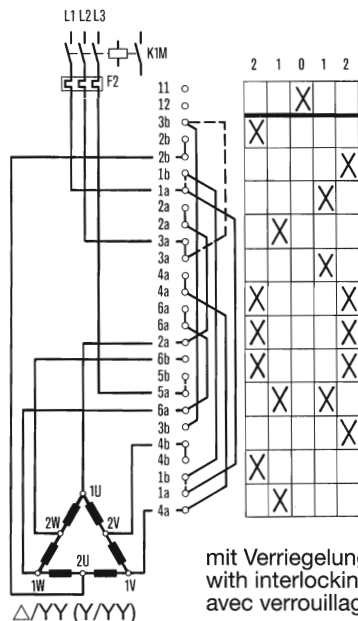
**T5B-7-15105**  
**T5-7-15105**



FS 4686



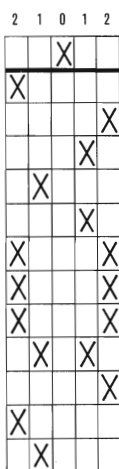
Δ/YY



**T5B-7-68**  
**T5-7-68**



FS 441



mit Verriegelung (sond 29)\*  
 with interlocking provision (sond 29)\*  
 avec verrouillage (sond 29)\*

\* Seite/Page 3/66 & AWA

# Polumschalter

2 Drehzahlen, 2 getrennte Wicklungen

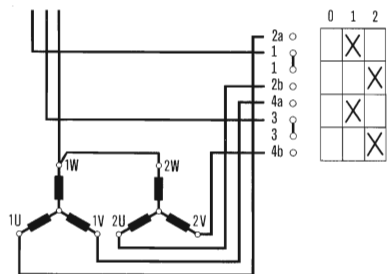
Two-speed switches, two separate windings

Commutateurs de pôles, 2 vitesses,

2 enroulements séparés

Pole  
Poles  
Pôles

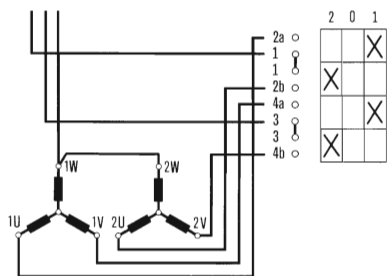
2



**T5B-2-35**  
**T5-2-35**



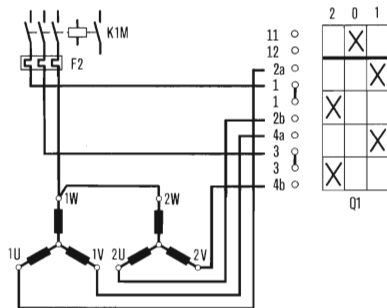
FS 644



**T5B-2-37**  
**T5-2-37**



FS 621

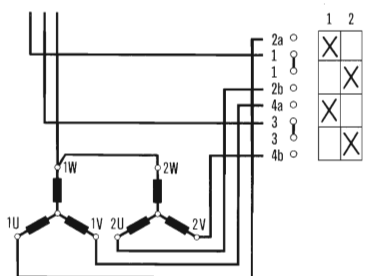


**T5B-3-38**  
**T5-3-38**



FS 621

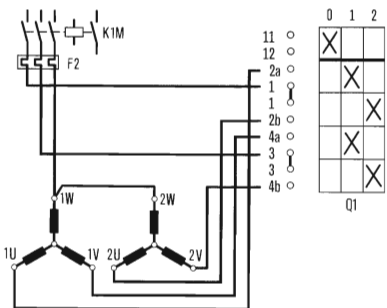
mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T5B-2-39**  
**T5-2-39**



FS 943



**T5B-3-36**  
**T5-3-36**

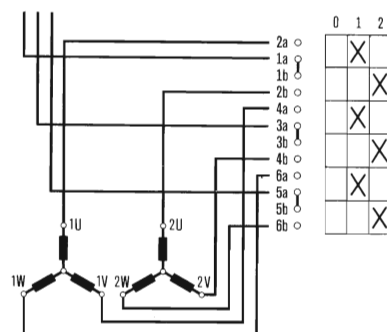


FS 644

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*

Pole  
Poles  
Pôles

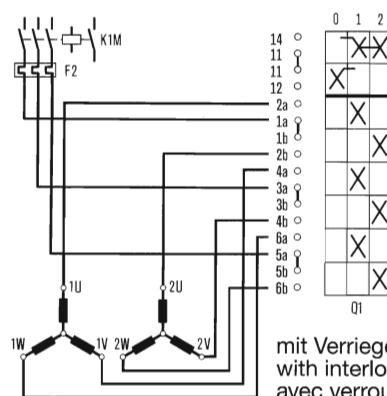
3



**T5B-3-6**  
**T5-3-6**



FS 644

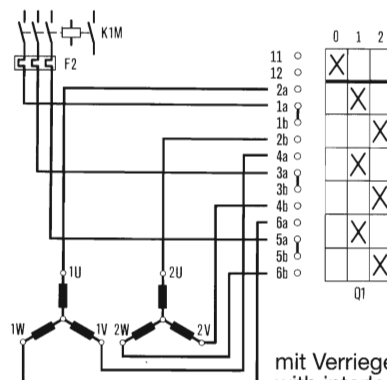


**T5B-4-46**  
**T5-4-46**



FS 644

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*

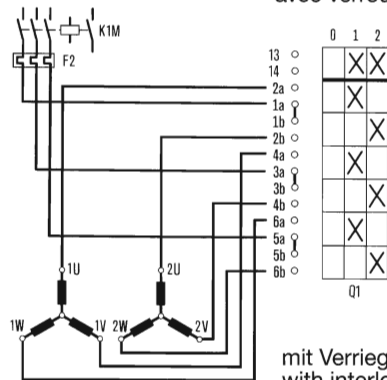


**T5B-4-47**  
**T5-4-47**



FS 644

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T5B-4-135**  
**T5-4-135**

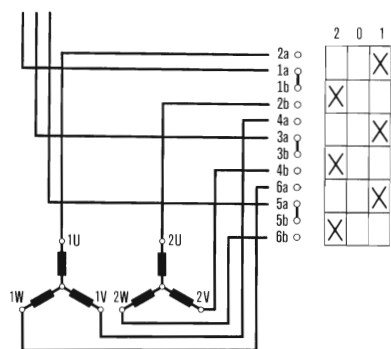


FS 644

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

Pole  
 Poles  
 Pôles

3

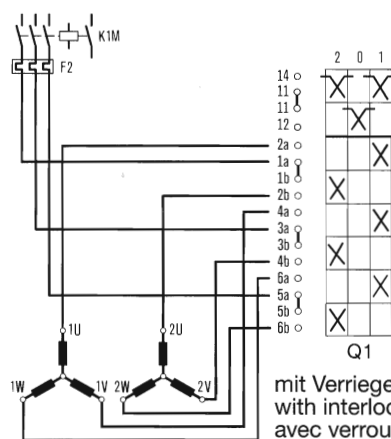


	2	0	1
2a			X
1a			
1b	X		
2b			
4a			X
3a			
3b	X		
4b			
6a			X
5a			
5b	X		
6b			

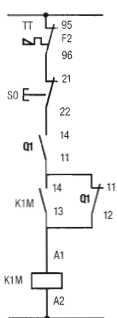
**T5B-3-7**  
**T5-3-7**



FS 621



	2	0	1
14	X	X	
11			
11	X		
12			
2a			X
1a			
1b	X		
2b			
4a			X
3a			
3b	X		
4b			
6a			X
5a			
5b	X		
6b			

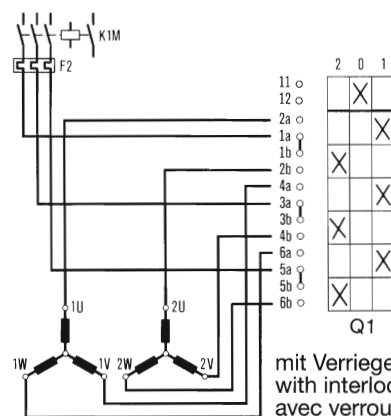


**T5B-4-49**  
**T5-4-49**

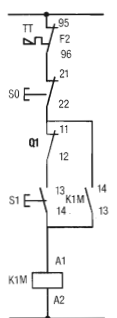


FS 621

mit Verriegelung (sond 28)\*  
 with interlocking provision (sond 28)\*  
 avec verrouillage (sond 28)\*



	2	0	1
11	X	X	
12			
2a			X
1a			
1b	X		
2b			
4a			X
3a			
3b	X		
4b			
6a			X
5a			
5b	X		
6b			

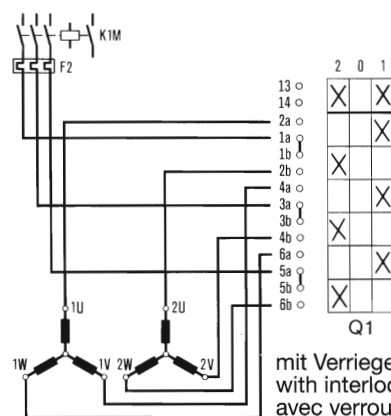


**T5B-4-48**  
**T5-4-48**

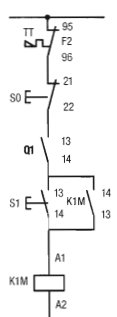


FS 621

mit Verriegelung (sond 29)\*  
 with interlocking provision (sond 29)\*  
 avec verrouillage (sond 29)\*



	2	0	1
13	X	X	
14			
2a			X
1a			
1b	X		
2b			
4a			X
3a			
3b	X		
4b			
6a			X
5a			
5b	X		
6b			



**T5B-4-106**  
**T5-4-106**

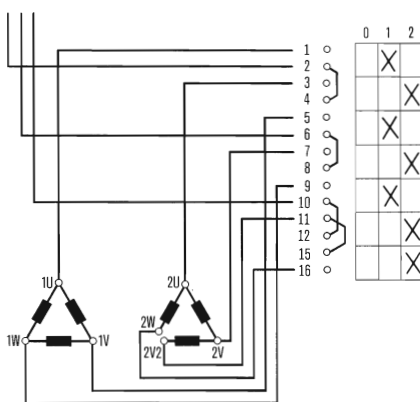


FS 621

mit Verriegelung (sond 30)\*  
 with interlocking provision (sond 30)\*  
 avec verrouillage (sond 30)\*

Pole  
 Poles  
 Pôles

3

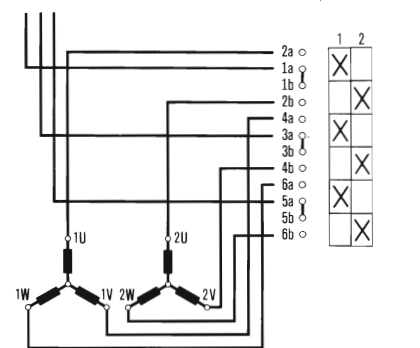


	0	1	2
1		X	
2			
3			
4			X
5			
6	X		
7			
8			X
9			
10			X
11			
12			X
13			
14			X
15			
16			X

**T5B-4-8450**  
**T5-4-8450**



FS 644

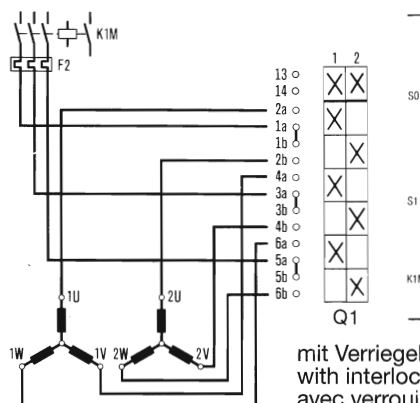


	1	2
2a	X	
1a		X
1b		
2b	X	
4a		X
3a		
3b	X	
4b		
6a	X	
5a		
5b	X	
6b	X	

**T5B-3-50**  
**T5-3-50**



FS 943



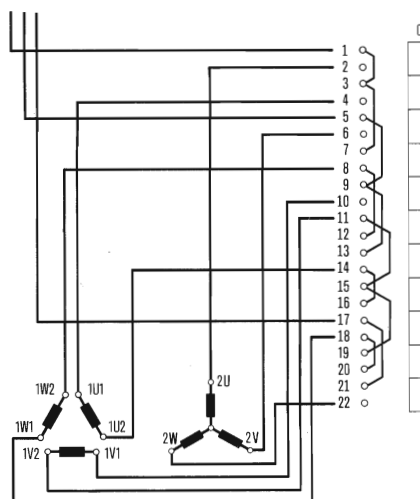
	1	2
13	X	X
14		
2a	X	
1a		X
1b		
2b	X	
4a		X
3a		
3b	X	
4b		
6a	X	
5a		
5b	X	
6b	X	

**T5B-4-45**  
**T5-4-45**



FS 601

mit Verriegelung (sond 30)\*  
 with interlocking provision (sond 30)\*  
 avec verrouillage (sond 30)\*



	0	Y	1	2
1				X
2			X	X
3			X	X
4			X	X
5				
6				
7				
8			X	
9			X	
10			X	
11			X	
12			X	
13				
14			X	
15				
16				
17			X	
18			X	
19			X	
20			X	
21			X	
22			X	

**T5B-6-8449**  
**T5-6-8449**



FS 4590

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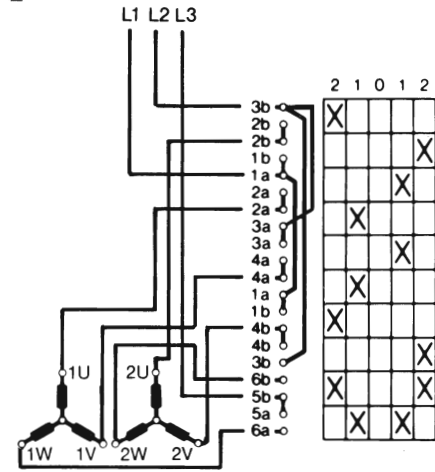
# Wende-Polumschalter

2 Drehzahlen, 2 getrennte Wicklungen

Two-speed switches, two separate windings  
Commutateurs de pôles, 2 vitesses, 2 enroulements séparés

Pole  
Poles  
Pôles

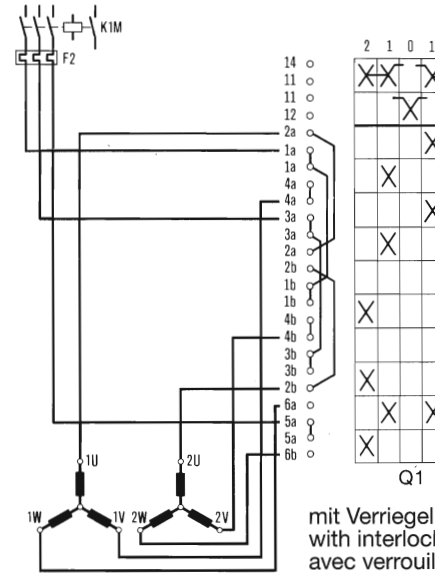
2



T5B-6-71  
T5-6-71



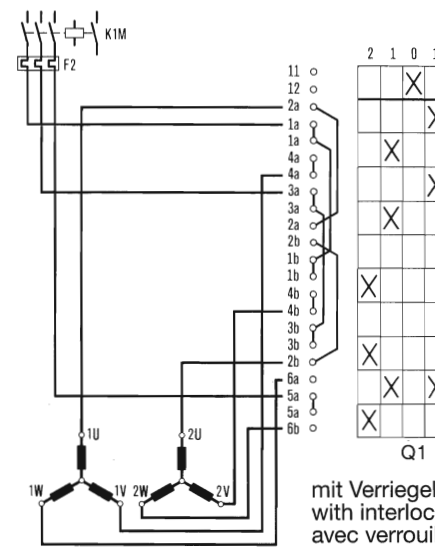
FS 441



T5B-8-72  
T5-8-72



FS 441



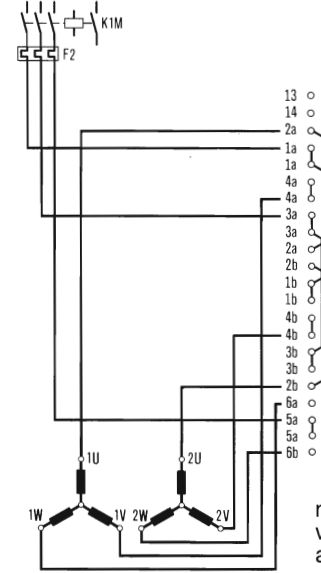
T5B-6-73  
T5-6-73



FS 441

Pole  
Poles  
Pôles

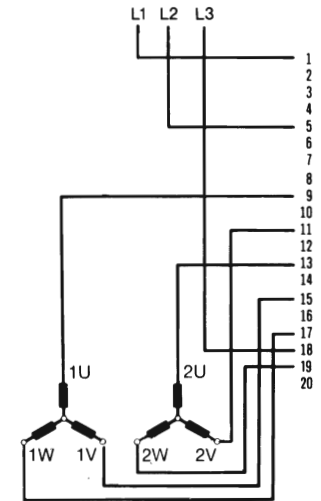
3



T5B-6-74  
T5-6-74



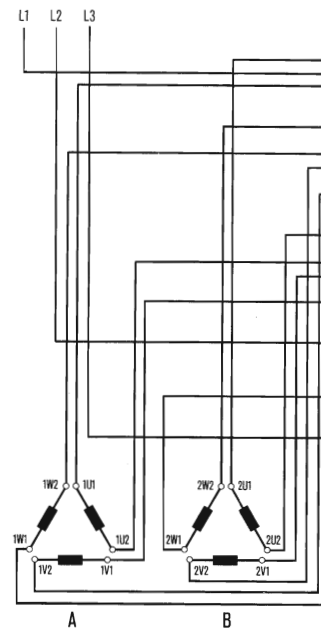
FS 441



T5B-5-8453  
T5-5-8453



FS 629



T5B-8-8454  
T5-8-8454

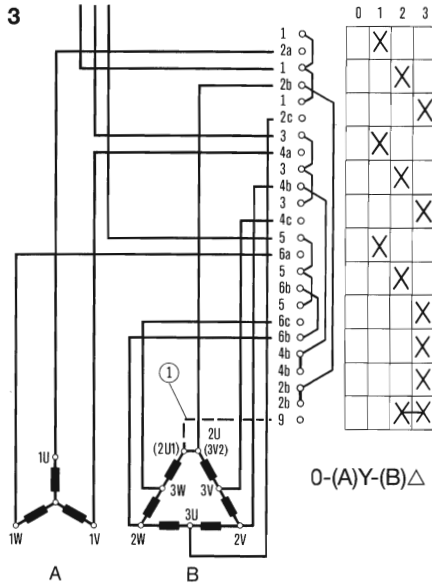


FS 4616

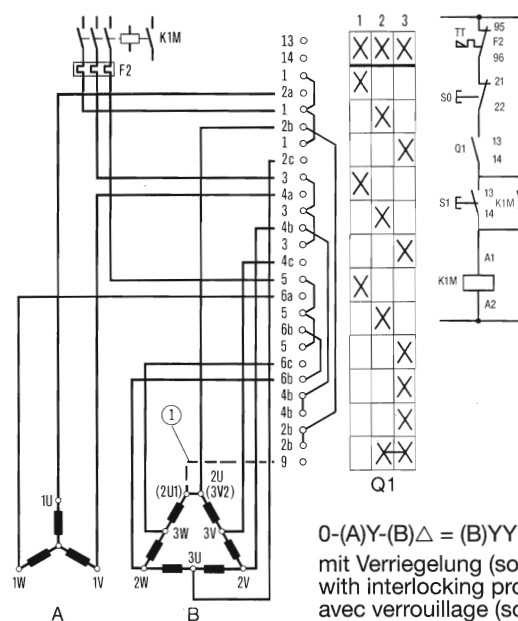
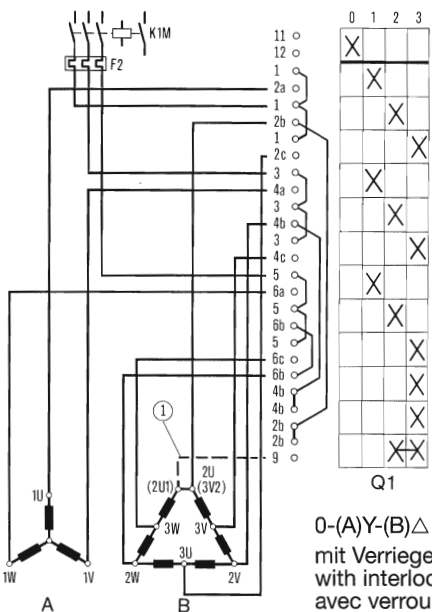
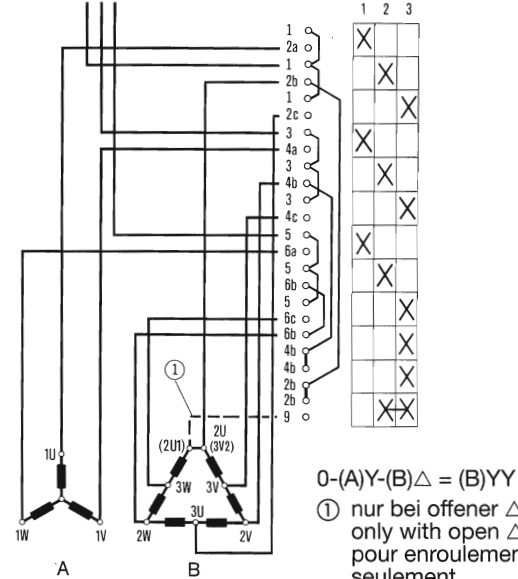
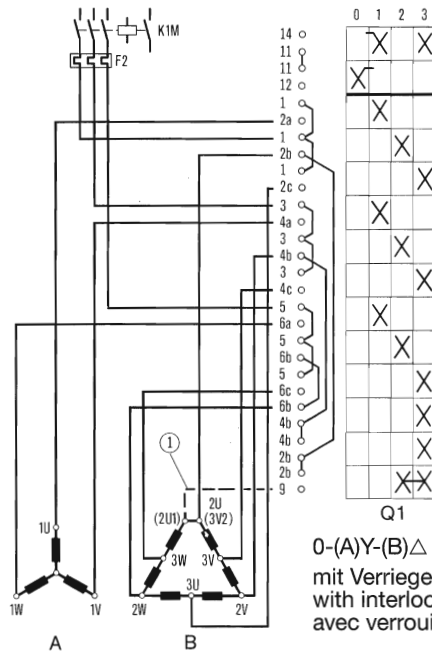
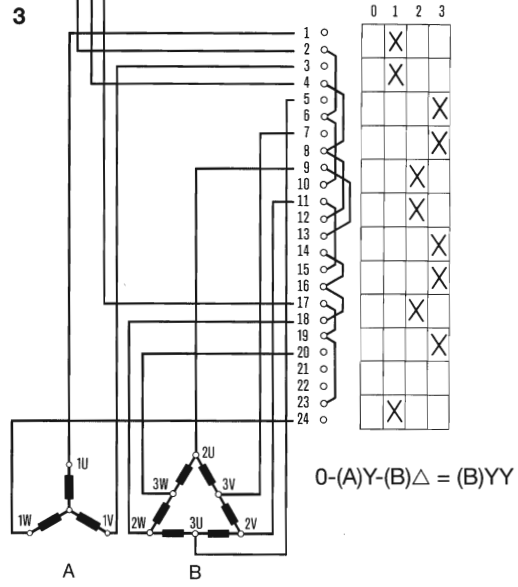
\* Seite/Page 3/66 & AWA



Pole  
 Poles  
 Pôles



Pole  
 Poles  
 Pôles



\* Seite/Page 3/66 & AWA

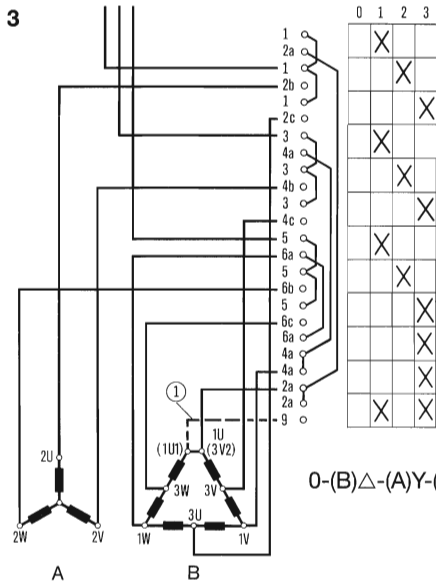
# Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Einfache Wicklung bei Drehzahl II

Three-speed switches, two separate windings/Single winding at speed II  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/enroulement simple en vitesse II

**Pole**  
Poles  
Pôles

3



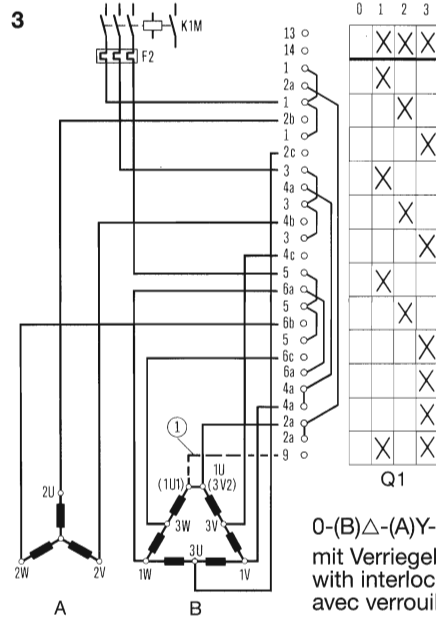
**T5B-6-158**  
**T5-6-158**



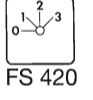
0-(B)Δ-(A)Y-(B)-YY

**Pole**  
Poles  
Pôles

3

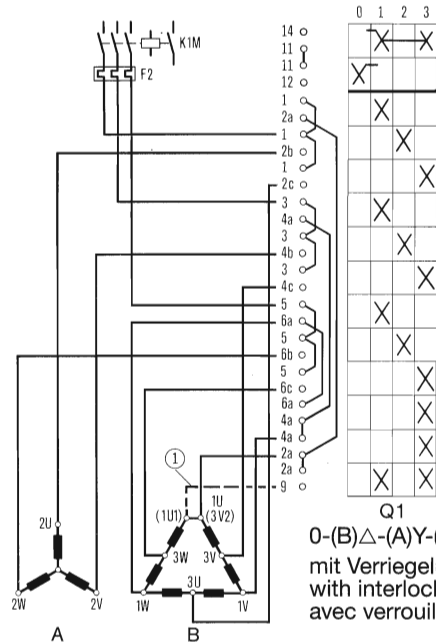


**T5B-7-132**  
**T5-7-132**



0-(B)Δ-(A)Y-(B)-YY

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

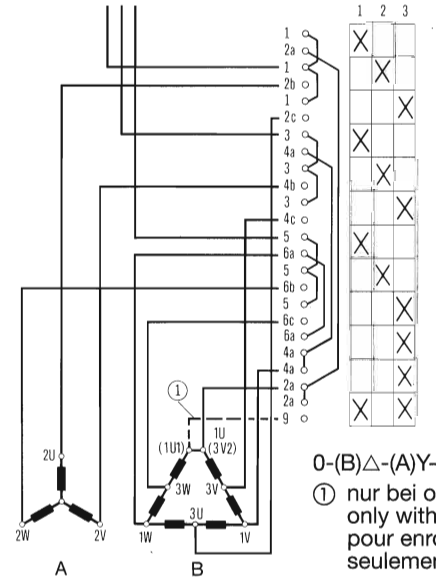


**T5B-7-188**  
**T5-7-188**

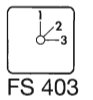


0-(B)Δ-(A)Y-(B)-YY

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*

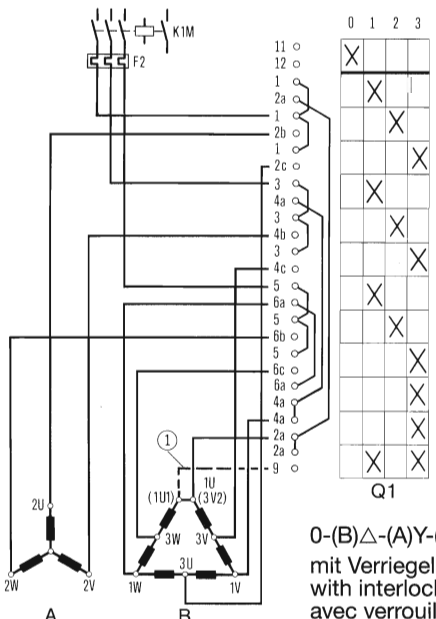


**T5B-6-160**  
**T5-6-160**



0-(B)Δ-(A)Y-(B)-YY

① nur bei offener Δ-Wicklung  
only with open Δ-winding  
pour enroulement Δ ouvert  
seulement

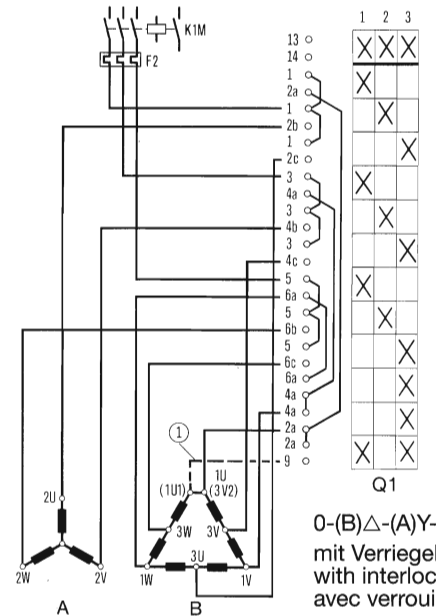


**T5B-7-159**  
**T5-7-159**

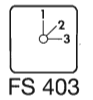


0-(B)Δ-(A)Y-(B)-YY

mit Verriegelung (sond 29)\*  
with interlocking provision (sond 29)\*  
avec verrouillage (sond 29)\*



**T5B-7-161**  
**T5-7-161**



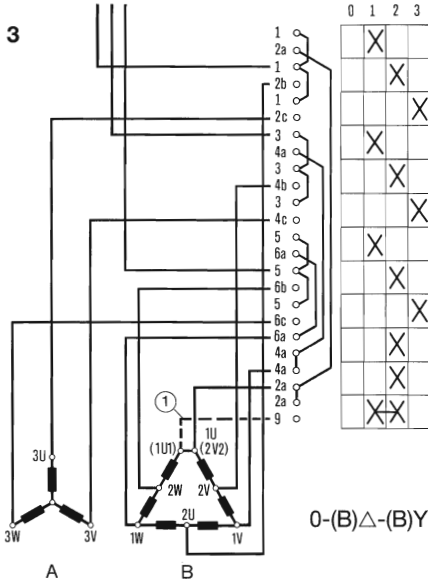
0-(B)Δ-(A)Y-(B)-YY

mit Verriegelung (sond 30)\*  
with interlocking provision (sond 30)\*  
avec verrouillage (sond 30)\*

\* Seite/Page 3/66 & AWA

**Pole**  
 Poles  
 Pôles

3

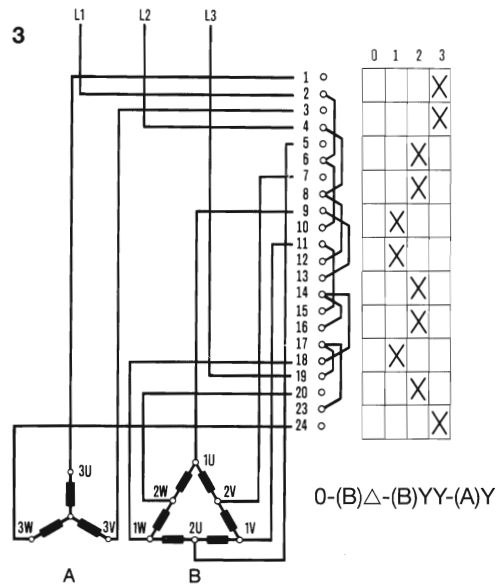


**T5B-6-162**  
**T5-6-162**

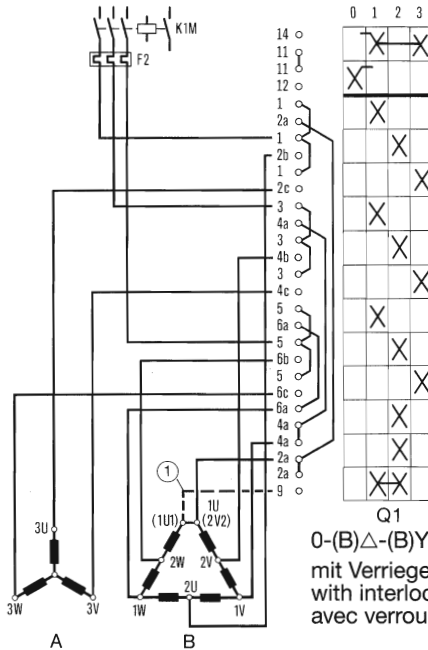


**Pole**  
 Poles  
 Pôles

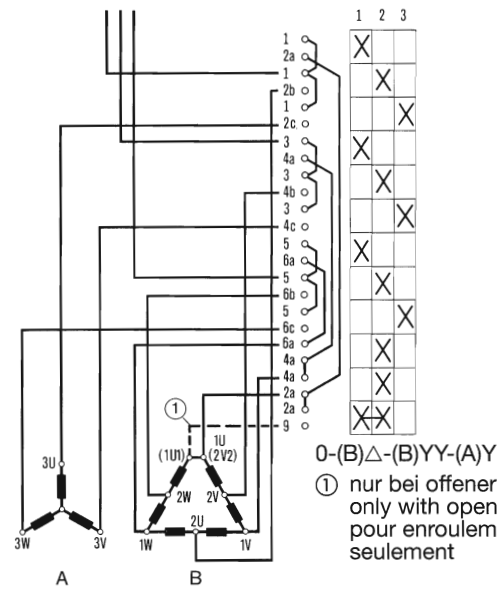
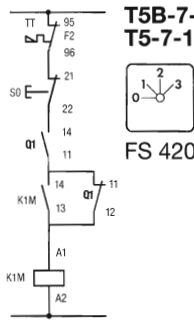
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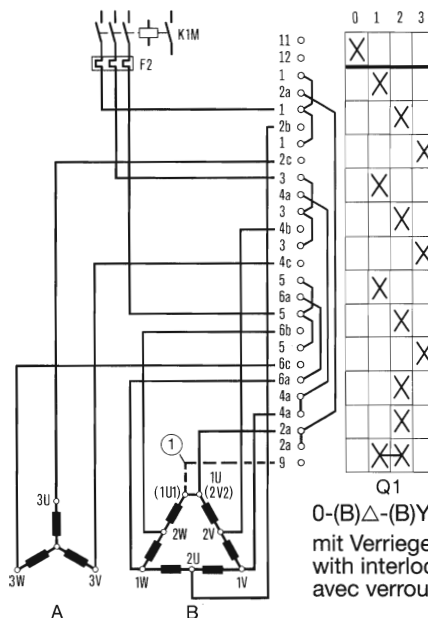
**T5B-6-8459**  
**T5-6-8459**



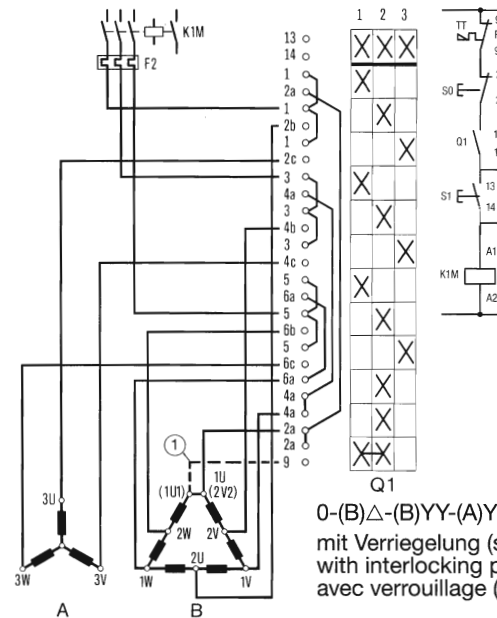
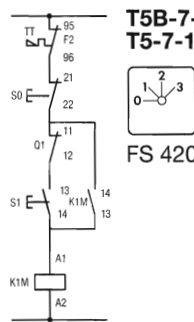
**T5B-7-189**  
**T5-7-189**



**T5B-6-164**  
**T5-6-164**



**T5B-7-163**  
**T5-7-163**



**T5B-7-165**  
**T5-7-165**



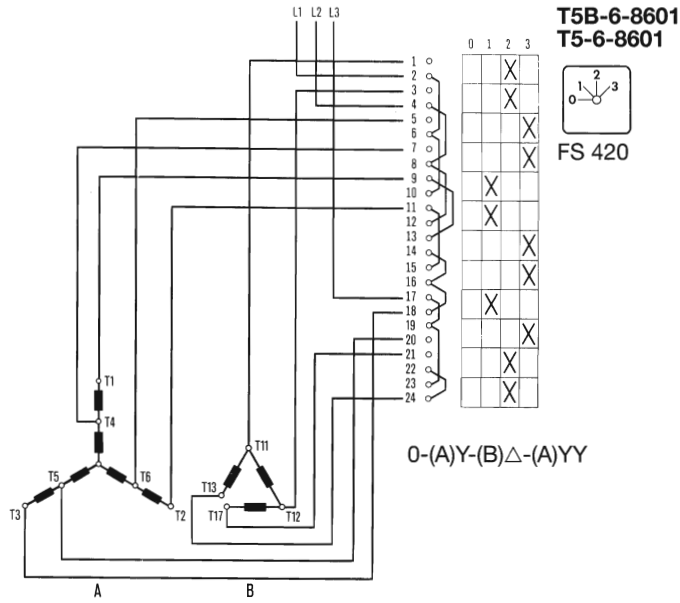
# Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Für Antriebe mit gleitendem Drehmoment

Three-speed switches, 2 separate windings/For drive motors with variable torque  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/Pour moteurs d'entraînement à couple constant

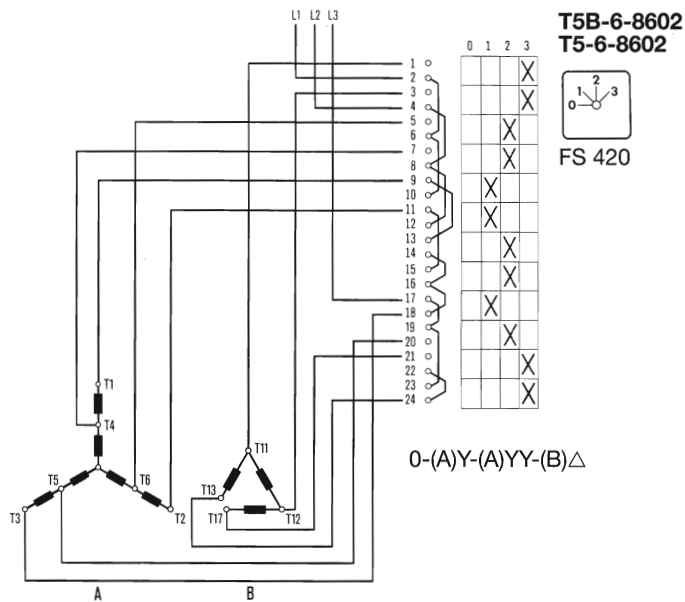
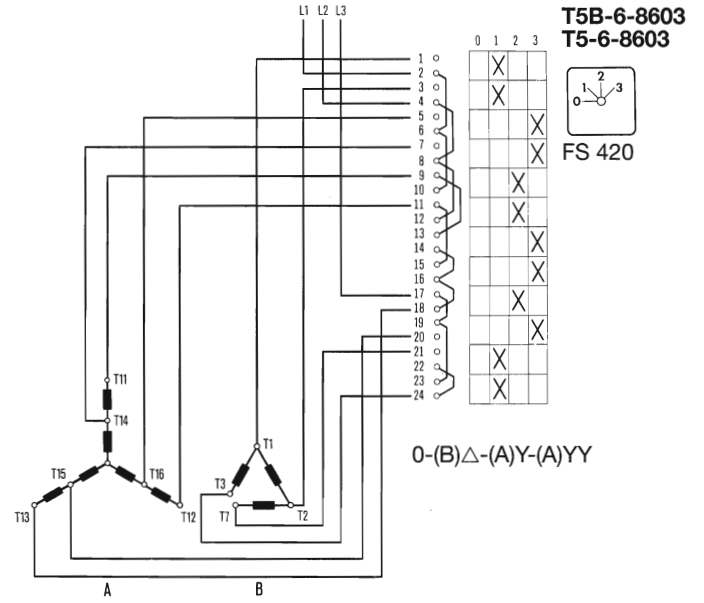
Pole  
Poles  
Pôles

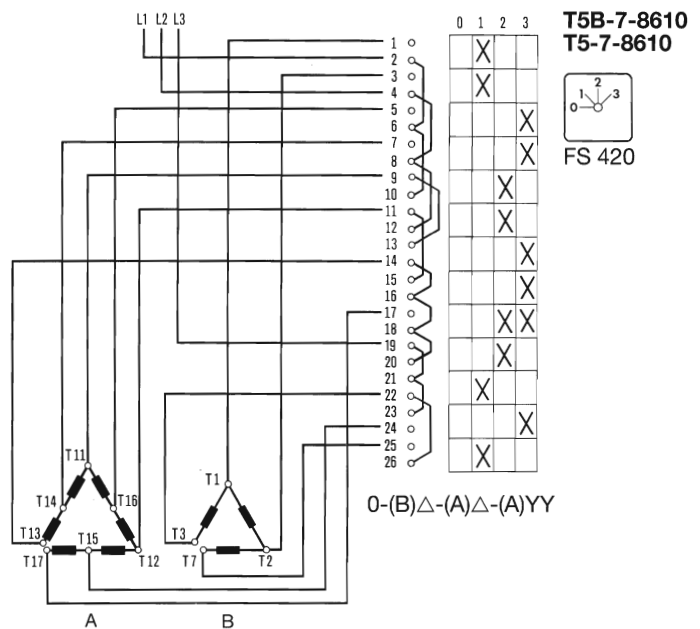
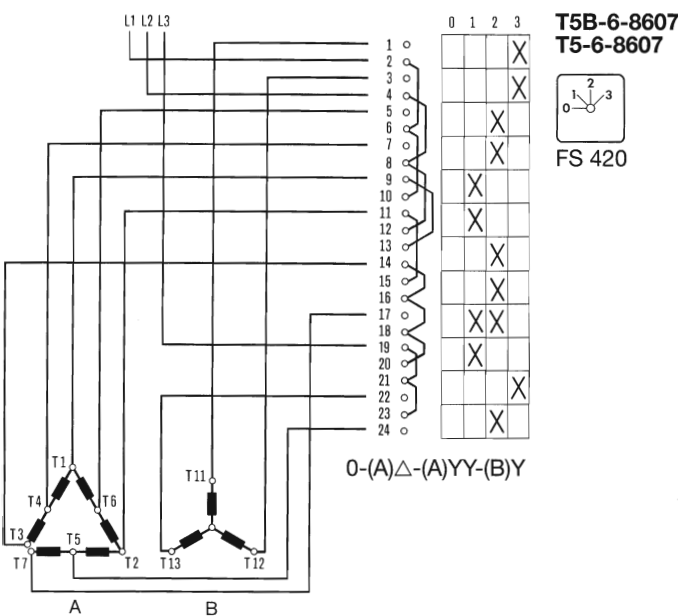
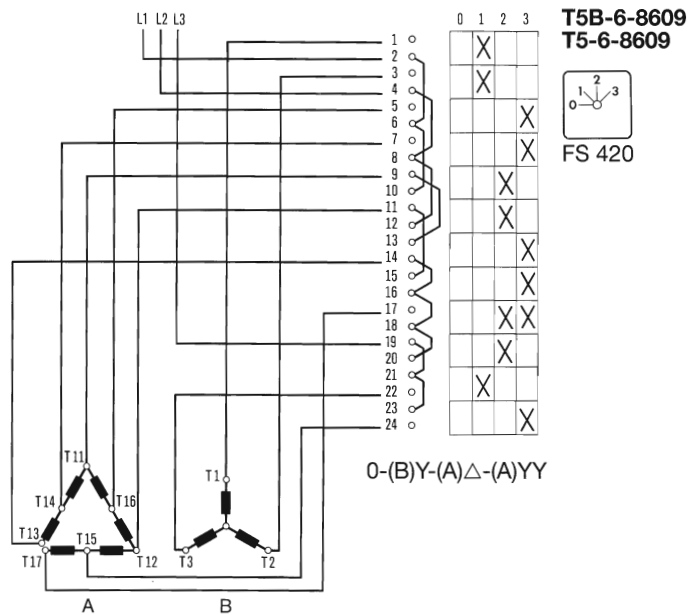
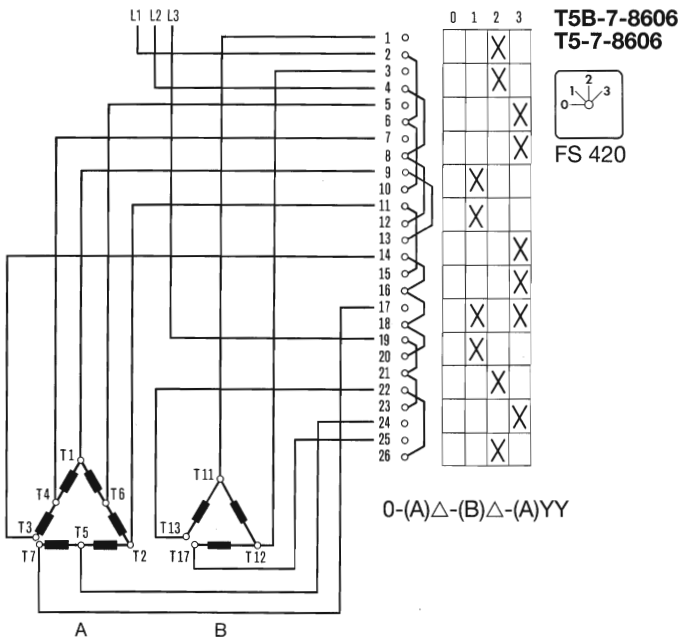
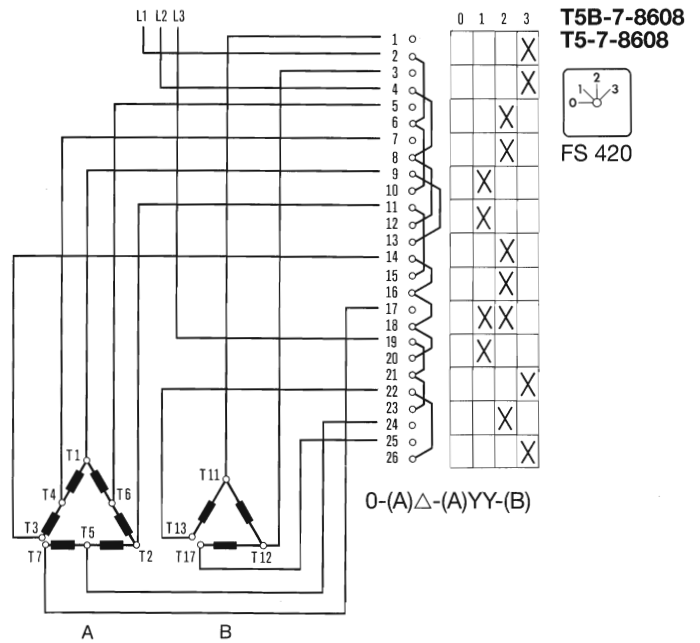
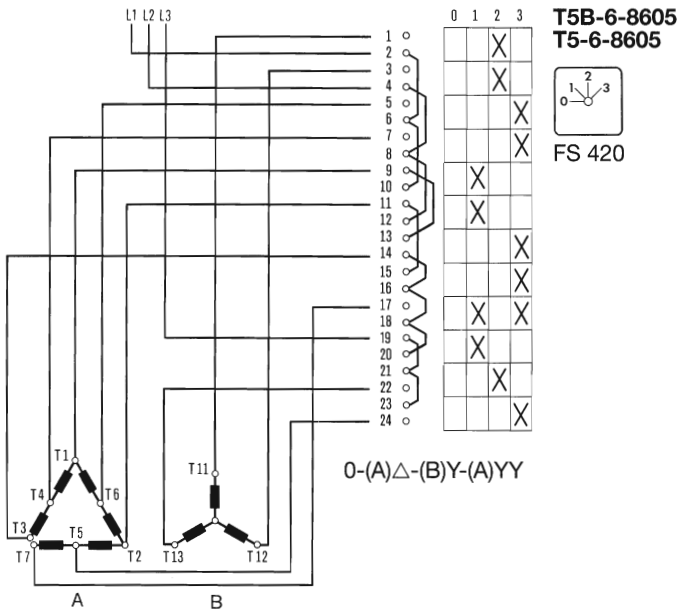
3



Pole  
Poles  
Pôles

3





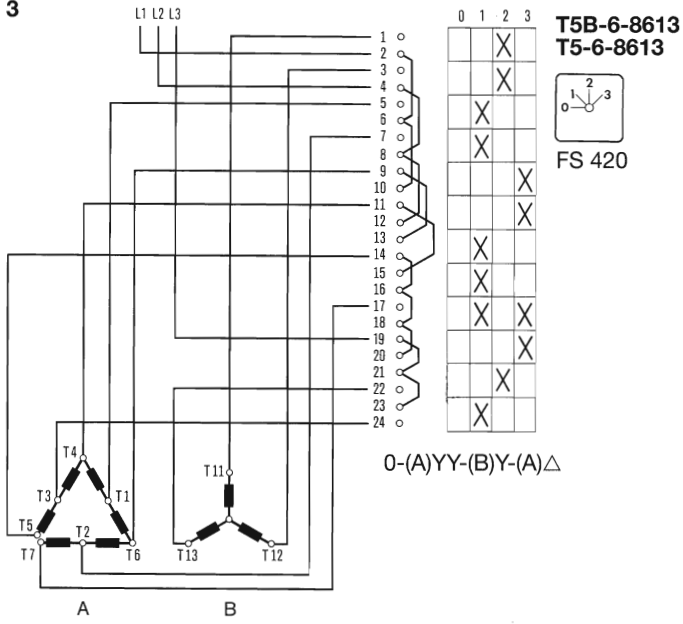
# Polumschalter

3 Drehzahlen, 2 getrennte Wicklungen  
Für Antriebe mit konstanter Leistung

Three-speed switches, two separate windings/For drive motors with constant output  
Commutateurs de pôles, 3 vitesses, 2 enroulements séparés/Pour moteurs d'entraînement à puissance constante

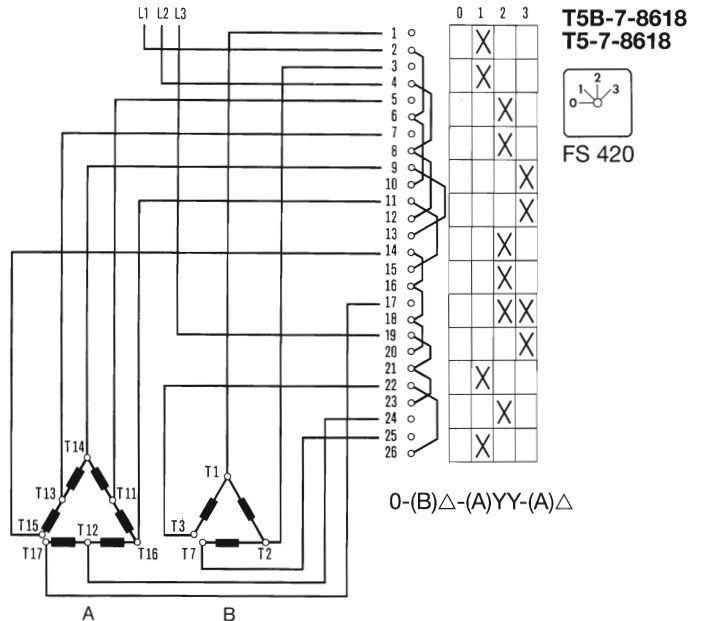
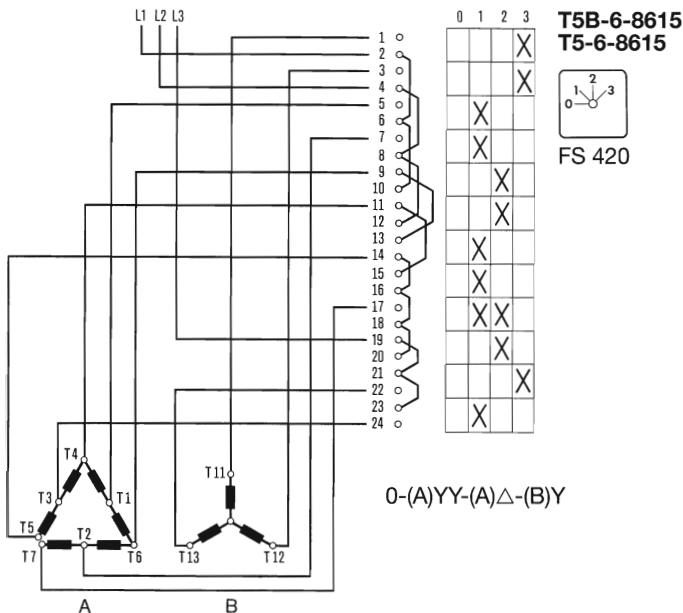
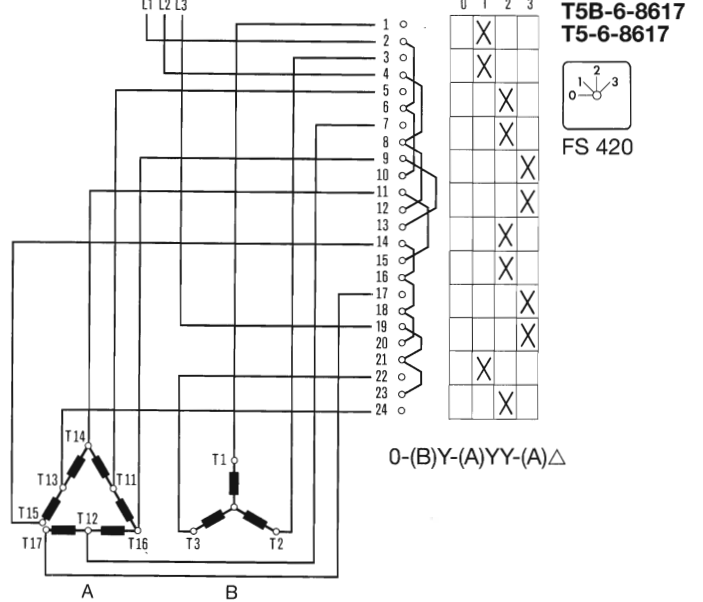
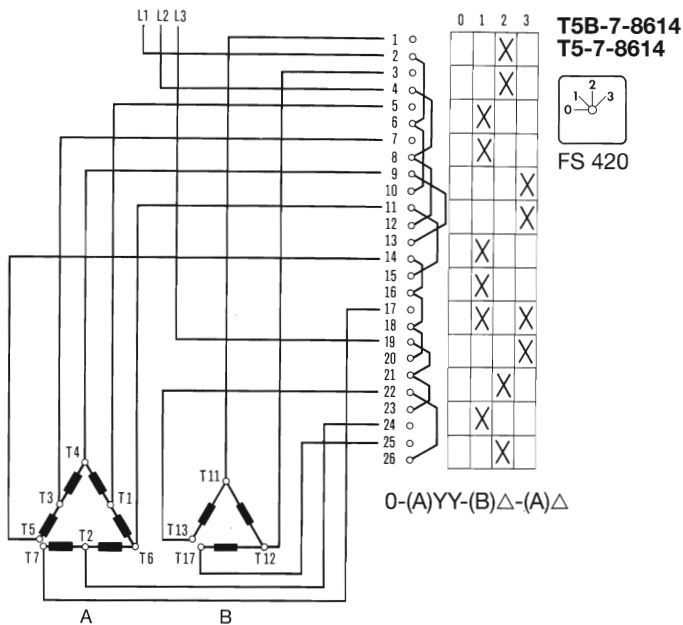
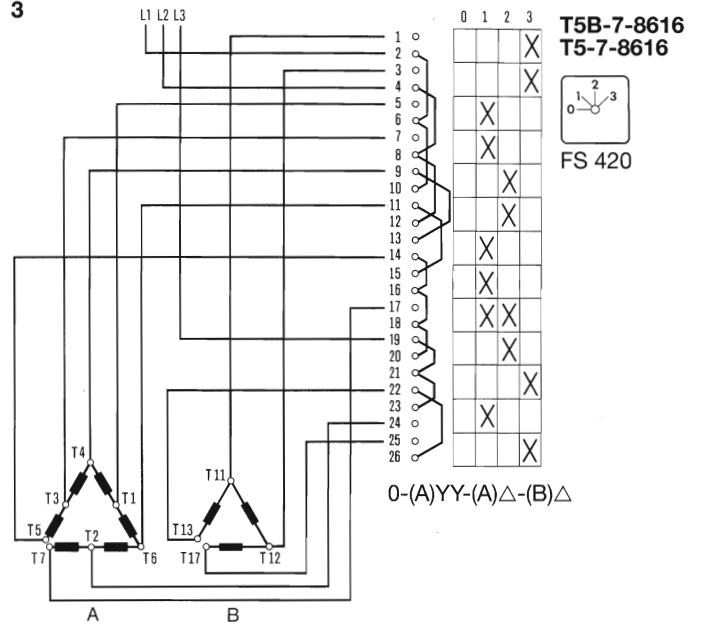
Pole  
Poles  
Pôles

3



Pole  
Poles  
Pôles

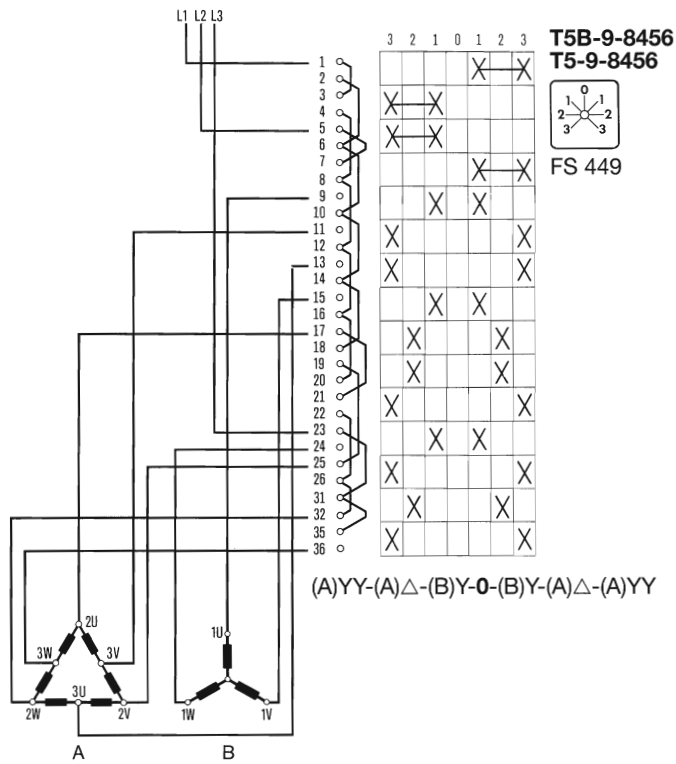
3



Einfache Wicklung bei Drehzahl I  
 Single winding at speed I  
 enroulement simple en vitesse I

**Pole**  
 Poles  
 Pôles

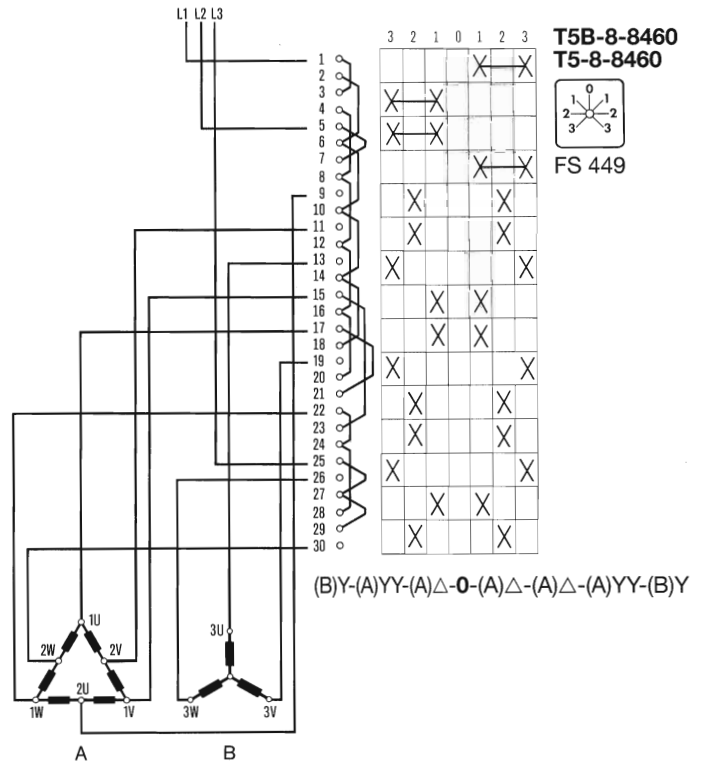
**3**



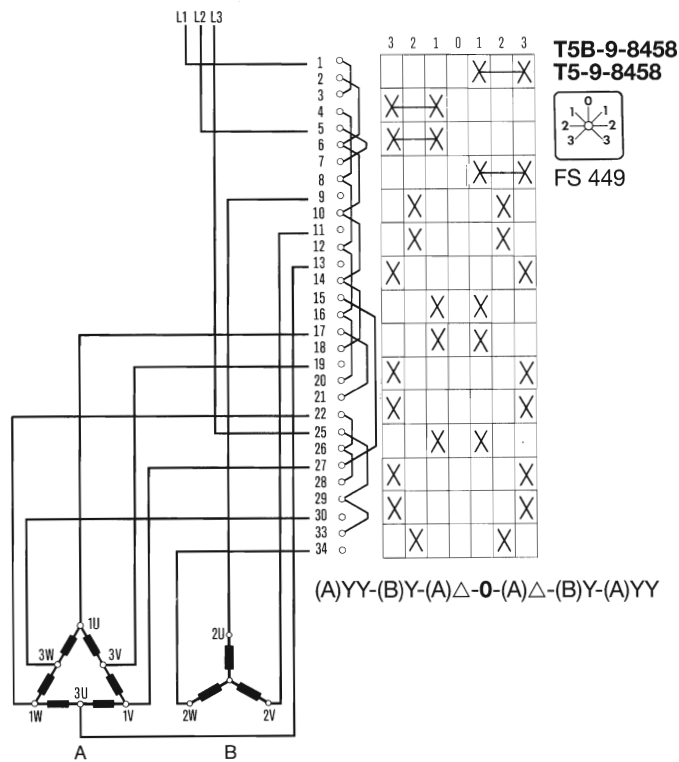
Einfache Wicklung bei Drehzahl III  
 Single winding at speed III  
 enroulement simple en vitesse III

**Pole**  
 Poles  
 Pôles

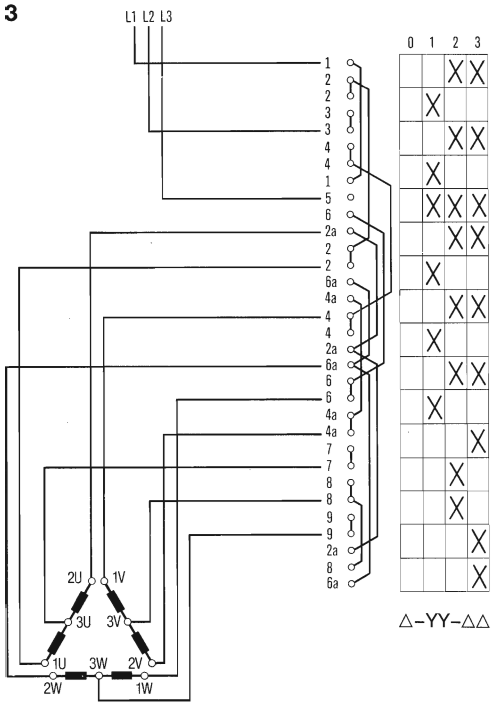
**3**



Einfache Wicklung bei Drehzahl II  
 Single winding at speed II  
 enroulement simple en vitesse II



**Pole**  
Poles  
Pôles



	0	1	2	3
1		X	X	
2				X
3				X
4		X	X	
5				X
6		X	X	
2a				X
2				X
2a		X	X	
6a				X
4		X	X	
4a				X
6		X	X	
6a				X
7				X
7a		X	X	
8				X
8a		X	X	
9				X
9a		X	X	
2a				X
6a				X

Δ-YY-ΔΔ

mit „0“-Stellung with „0“ position avec position «0»

**T5B-8-15100**  
**T5-8-15100**

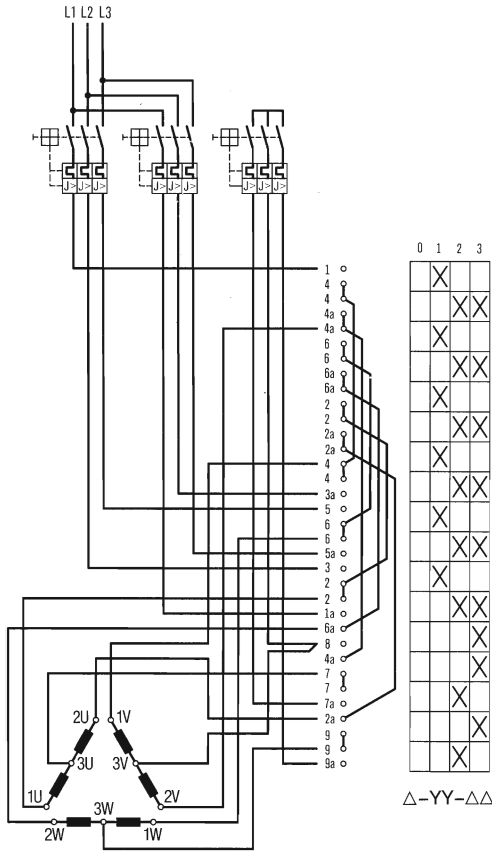


FS 420

**T5B-8-15102**  
**T5-8-15102**



FS 404



	0	1	2	3
1		X	X	
4				X
4a				X
6		X	X	
6a				X
2				X
2a		X	X	
4		X	X	
3a				X
5		X	X	
5a				X
7				X
7a		X	X	
8				X
8a		X	X	
9				X
9a		X	X	
2a				X
6a				X

Δ-YY-ΔΔ

mit „0“-Stellung with „0“ position avec position «0»

**TB5-9-15101**  
**T5-9-15101**



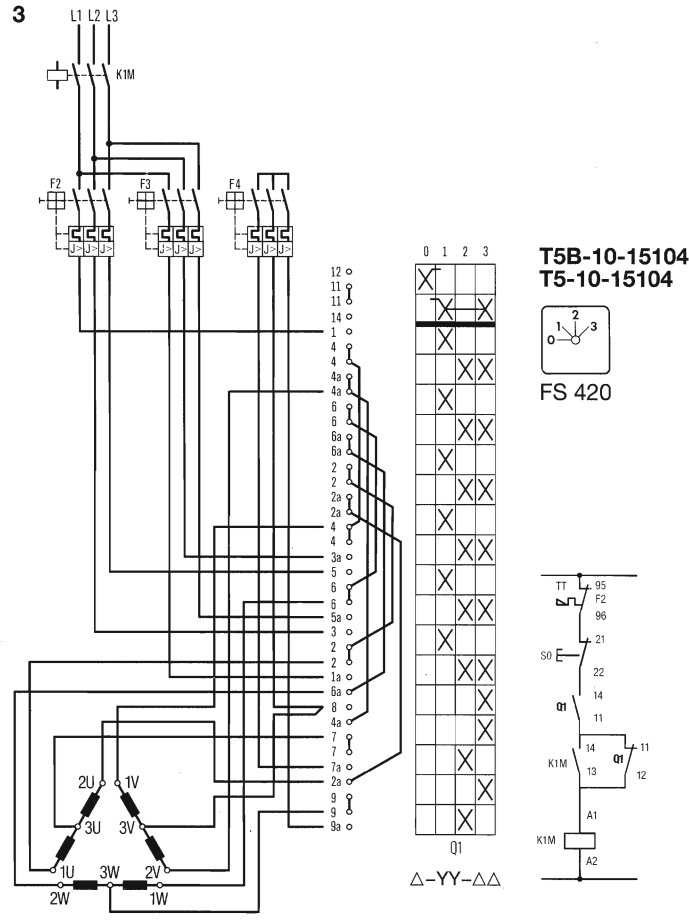
FS 420

**T5B-10-15103**  
**T5-10-15103**



FS 404

**Pole**  
Poles  
Pôles



	0	1	2	3
12		X	X	
11				X
14				X
1		X	X	
4		X	X	
4a				X
4a				X
6		X	X	
6a				X
6a				X
2				X
2a		X	X	
4		X	X	
3a				X
5		X	X	
5a				X
5a				X
7				X
7a		X	X	
8				X
8a		X	X	
9				X
9a		X	X	
2a				X
6a				X

Δ-YY-ΔΔ

**T5B-10-15104**  
**T5-10-15104**



FS 420

mit Verriegelung (sond 28)\*  
with interlocking provision (sond 28)\*  
avec verrouillage (sond 28)\*

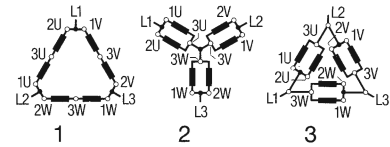
**Gegenüberstellung der Anschlußbezeichnungen**  
**Comparative Chart of Terminal Markings**  
**Tableaux de correspondance des repérages de bornes**

Nach DIN 42 400 (neu):  
according to  
DIN 42 400 (new):  
selon DIN 42 400 (nouveau):

**Polumschalter**  
3 Drehzahlen, 1 Drehrichtung,  
1 Wicklung

**Three-speed switches**  
non reversing, one winding

**Commutateurs de pôles**  
3 vitesses, 1 sens de marche,  
1 enroulement



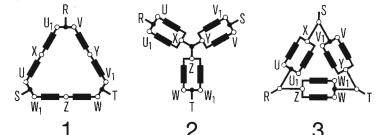
Drehzahl, speed, vitesse:

nach VDE (alt):  
according to VDE (old):  
selon VDE (ancien):

**Polumschalter**  
3 Drehzahlen, 1 Drehrichtung,  
1 Wicklung

**Three-speed switches**  
non reversing, one winding

**Commutateurs de pôles**  
3 vitesses, 1 sens de marche,  
1 enroulement



Drehzahl, speed, vitesse:

\* Seite/Page 3/66 & AWA



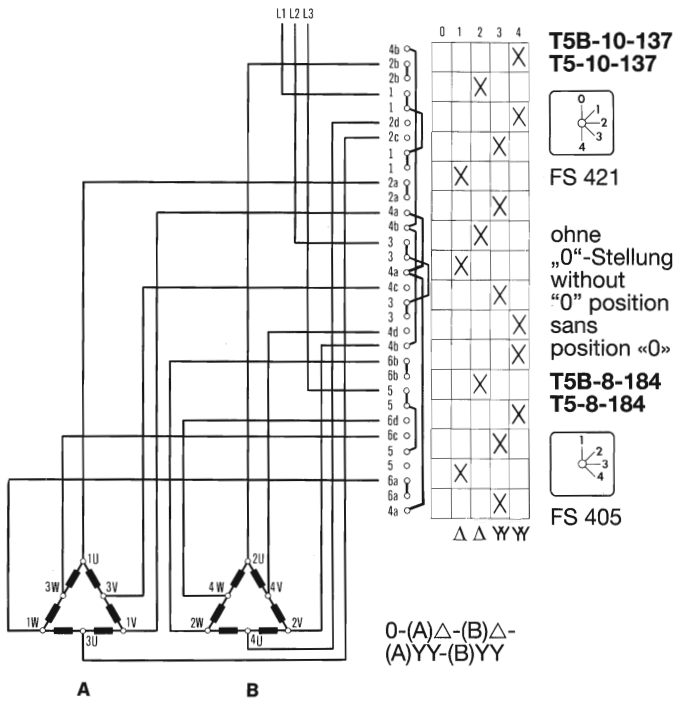
**Pole**  
 Poles  
 Pôles

3

mit „0“-Stellung  
 Beim Schalten einer  
 Wicklung bleibt die andere  
 geschlossen

with "0" position  
 When one winding is brought  
 in, the other one remains  
 closed

avec position «0»  
 Lors de l'enclenchement d'un  
 enroulement, l'autre reste  
 fermé



**Pole**  
 Poles  
 Pôles

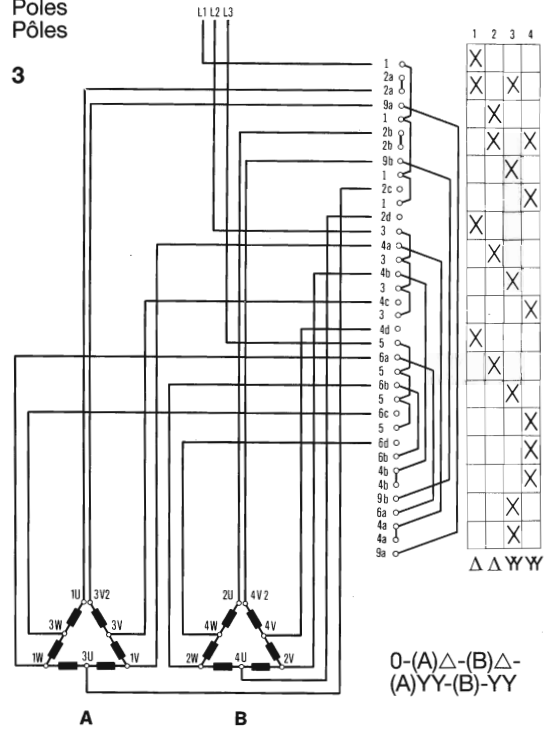
3

ohne  
 „0“-Stellung  
 without  
 "0" position  
 sans  
 position «0»

**TB5-10-186**  
**T5-10-186**

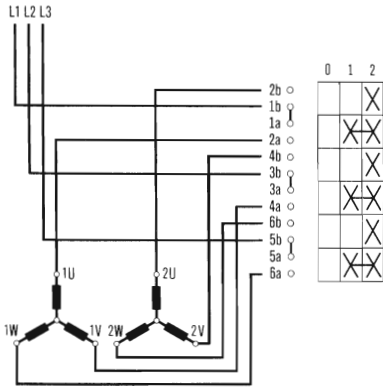


FS 405



Pole  
Poles  
Pôles

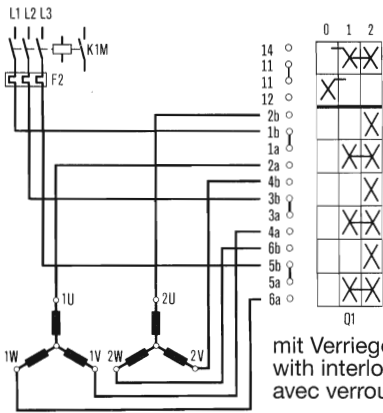
3



**T5B-3-80**  
**T5-3-80**



FS 644

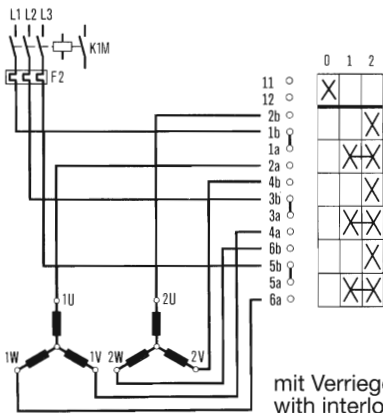


**T5B-4-81**  
**T5-4-81**



FS 644

mit Verriegelung (sond 28)\*  
with interlocking-provision (sond 28)  
avec verrouillage (sond 28)



**T5B-4-82**  
**T5-4-82**

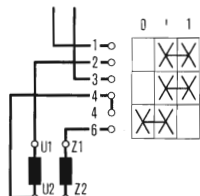


FS 644

mit Verriegelung (sond 29)\*  
with interlocking-provision (sond 29)  
avec verrouillage (sond 29)

Pole  
Poles  
Pôles

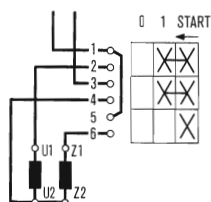
2



**T5B-2-76**  
**T5-2-76**



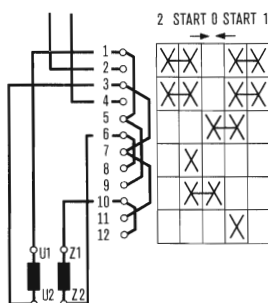
FS 465



**T5B-2-8425**  
**T5-2-8425**



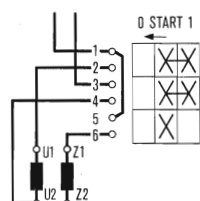
FS 147767



**T5B-3-8426**  
**T5-3-8426**



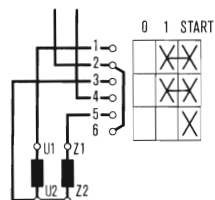
FS 142074



**T5B-2-15120**  
**T5-2-15120**



FS 142010



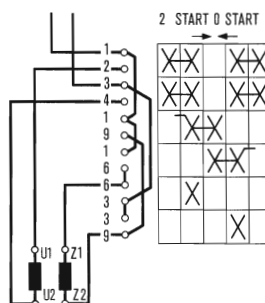
**T5B-2-15121**  
**T5-2-15121**



FS 168401

Pole  
Poles  
Pôles

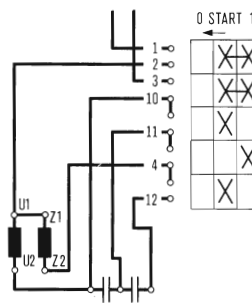
2



**T5B-3-15122**  
**T5-3-15122**



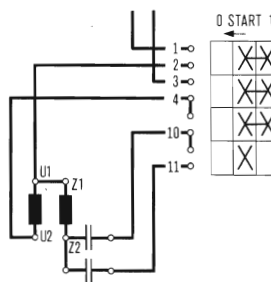
FS 142074



**T5B-3-15124**  
**T5-3-15124**



FS 142010



**T5B-2-15125**  
**T5-2-15125**

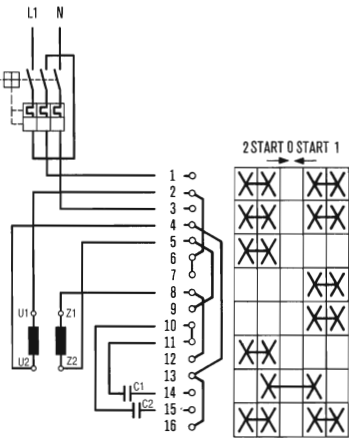


FS 142010

**Einphasen-Motor-Schalter**  
mit Anlaufkondensator  
mit/ohne Betriebskondensator

**Single-phase motor switch**  
with starting capacitor  
with/without running capacitor

**Commutateur de moteurs monophasés**  
avec condensateur de démarrage  
avec/sans condensateur de service



**T5B-5-15126**  
**T5-5-15126**



FS 142074

U1-U2: Hauptwicklung  
Main winding  
Enroulement principal

Z1-Z2: Hilfswicklung  
Auxiliary winding  
Enroulement auxiliaire

C1: Anlaufkondensator  
Starting capacitor  
Condensateur de démarrage

C2: Betriebskondensator  
Running capacitor  
Condensateur de service

ohne C2: Klemmen 10 + 15 freilassen  
without C2: Leave terminals 10 + 15 free  
sans C2: bornes 10 + 15 à laisser libre

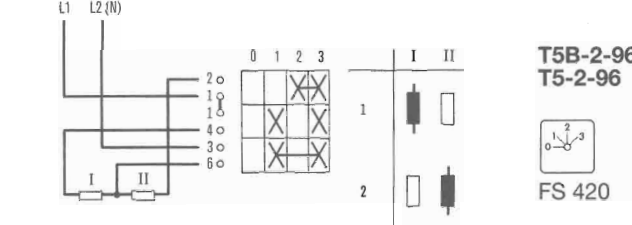
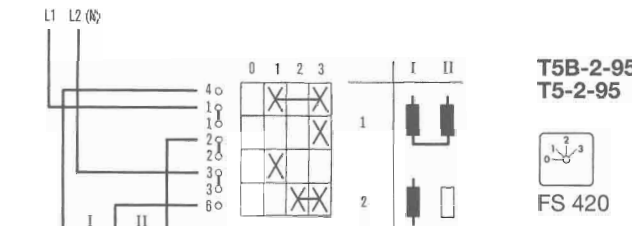
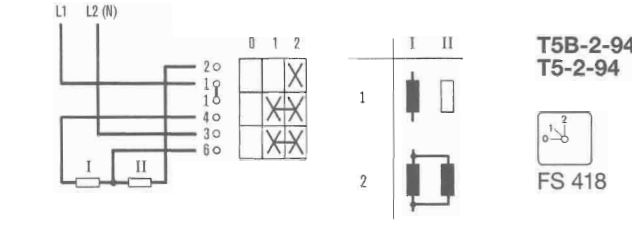
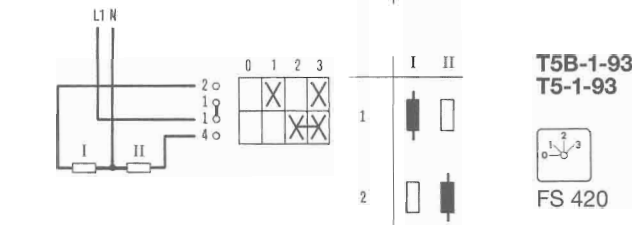
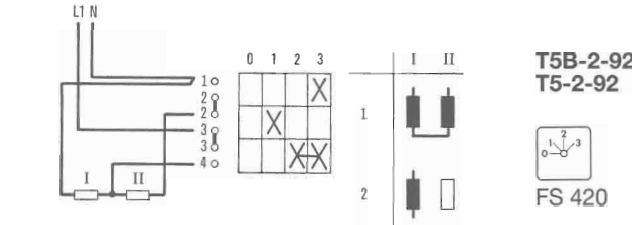
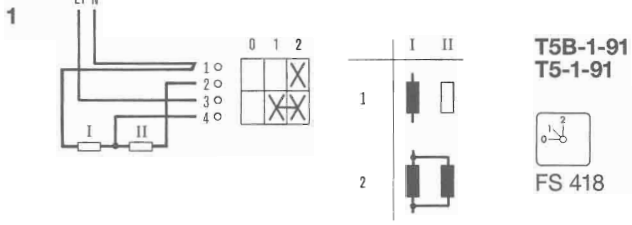
eingeschaltet  
 connected  
 enclenché

ausgeschaltet  
 disconnected  
 coupé

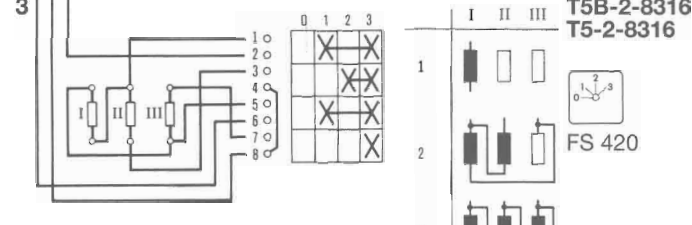
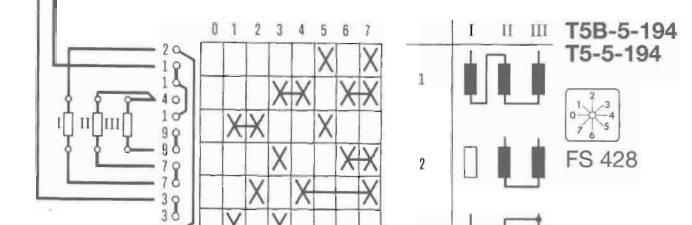
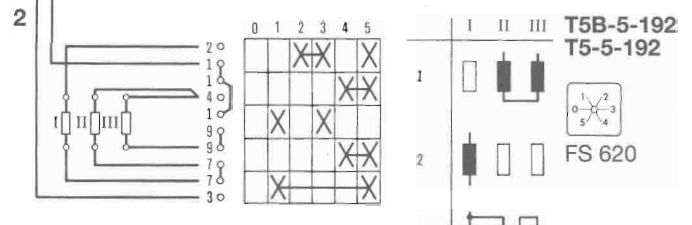
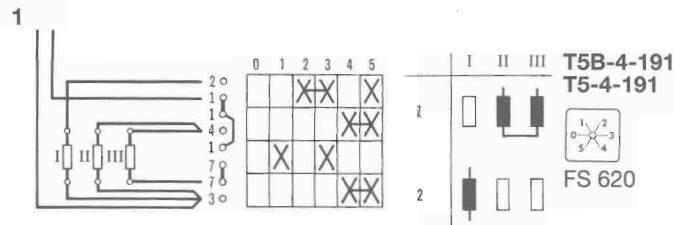
Heater switches  
 Interrupteurs de circuit de chauffage

Heizungsschalter

Pole  
Poles  
Pôles



Pole  
Poles  
Pôles



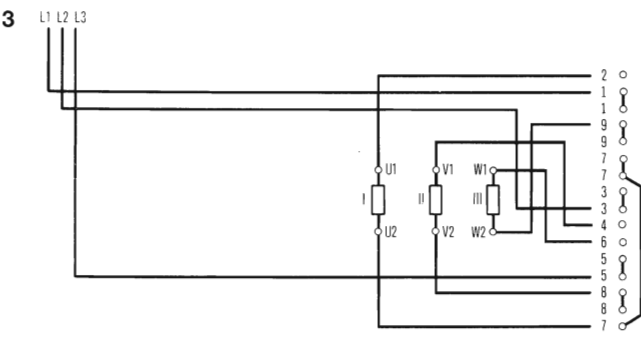
# Heizungsschalter

Heater switches  
 Interrupteurs de circuit de chauffage

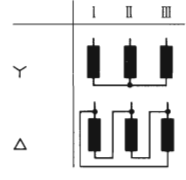
geschlossen  
 closed  
 fermé

geöffnet  
 open  
 ouvert

Pole  
 Poles  
 Pôles



0	Y	Δ
	X	X
		X
	X	
		X
	X	X
	X	X
		X
	X	

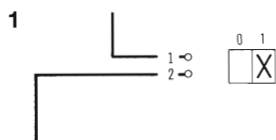


**T5B-4-3**  
**T5-4-3**

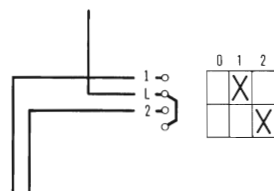
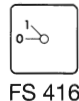


FS 635

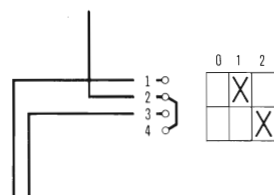
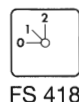
Pole  
Poles  
Pôles



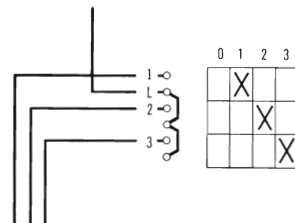
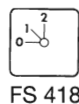
**T5B-1-140**  
**T5-1-140**



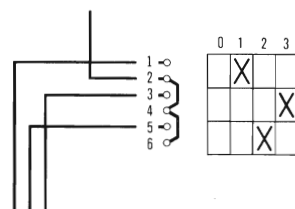
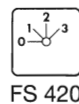
**T5B-1-141**  
**T5-1-141**



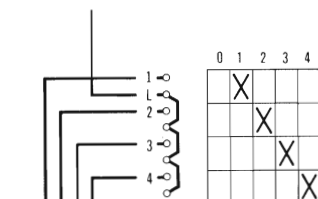
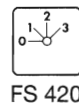
**T5B-1-8240**  
**T5-1-8240**



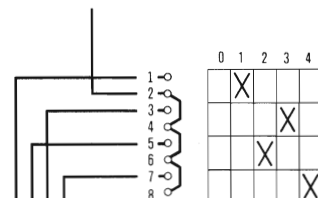
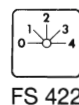
**T5B-2-142**  
**T5-2-142**



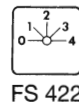
**T5B-2-8241**  
**T5-2-8241**



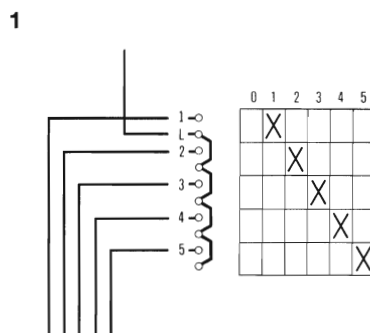
**T5B-3-143**  
**T5-3-143**



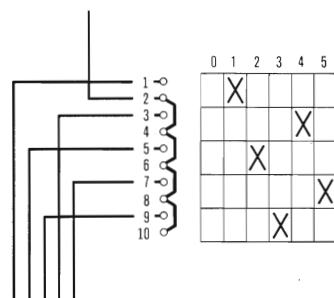
**T5B-3-8242**  
**T5-3-8242**



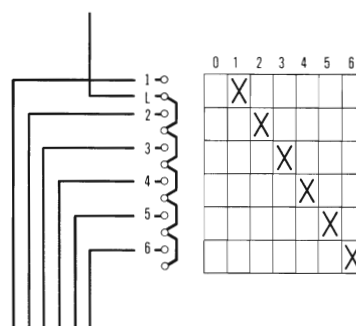
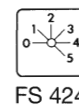
Pole  
Poles  
Pôles



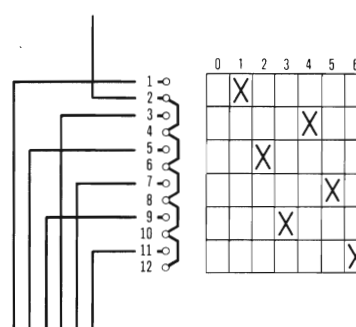
**T5B-3-144**  
**T5-3-144**



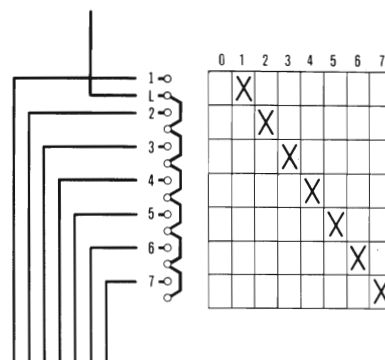
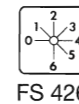
**T5B-3-8243**  
**T5-3-8243**



**T5B-4-145**  
**T5-4-145**



**T5B-4-8244**  
**T5-4-8244**



**T5B-4-146**  
**T5-4-146**



# Stufenschalter

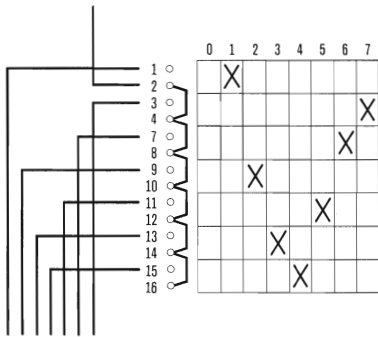
Step switches  
Commutateurs à gradins

mit Nullstellung  
with "OFF" position  
avec position zéro

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

1



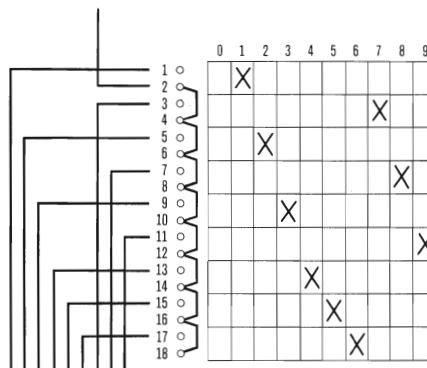
**T5B-4-8245**  
**T5-4-8245**



FS 428

Pole  
Poles  
Pôles

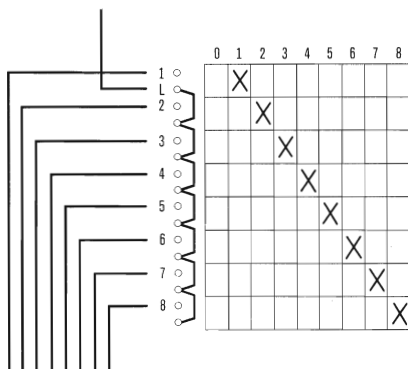
1



**T5B-5-8247**  
**T5-5-8247**



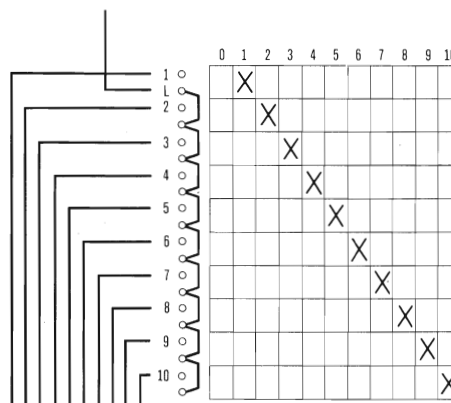
FS 312



**T5B-5-15246**  
**T5-5-15246**



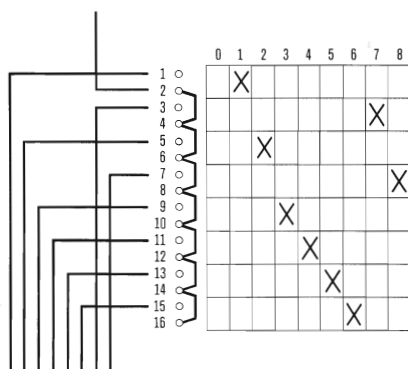
FS 313



**T5B-6-15248**  
**T5-6-15248**



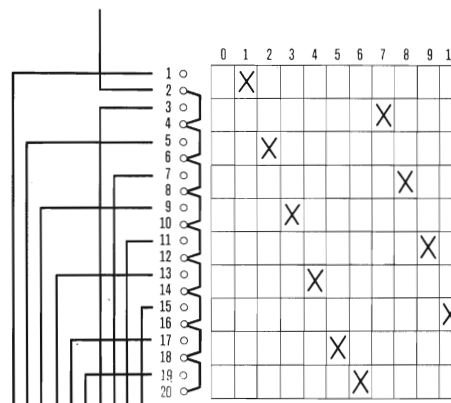
FS 311



**T5B-5-8246**  
**T5-5-8246**



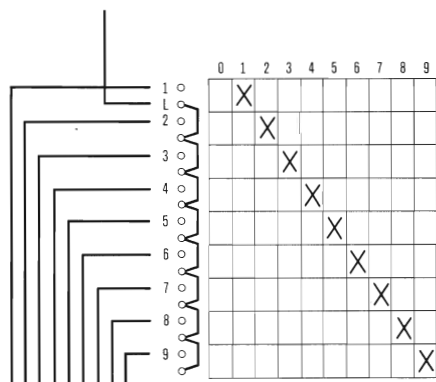
FS 313



**T5B-6-8248**  
**T5-6-8248**



FS 311



**T5B-5-15247**  
**T5-5-15247**



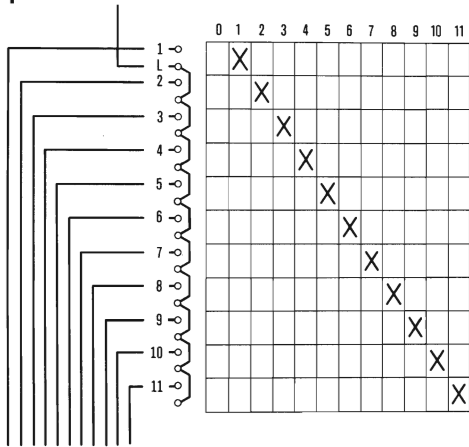
FS 312



Pole  
 Poles  
 Pôles

1

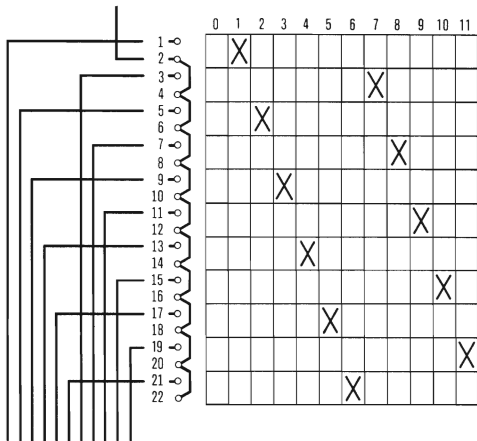
mit Nullstellung  
 with "OFF" position  
 avec position zéro



**T5B-6-15249**  
**T5-6-15249**



FS 310

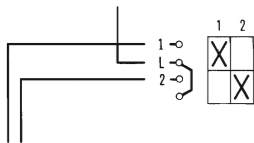


**T5B-6-8249**  
**T5-6-8249**



FS 310

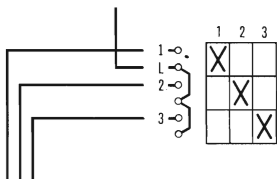
ohne Nullstellung  
 without "OFF" position  
 sans position zéro



**T5B-1-147**  
**T5-1-147**



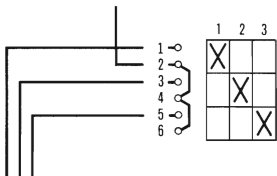
FS 402



**T5B-2-148**  
**T5-2-148**



FS 404



**T5B-2-8230**  
**T5-2-8230**

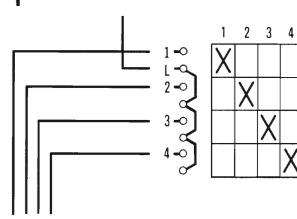


FS 404

Pole  
 Poles  
 Pôles

1

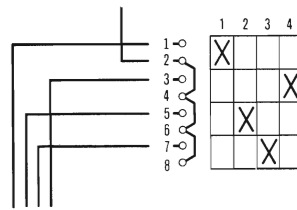
ohne Nullstellung  
 without "OFF" position  
 sans position zéro



**T5B-2-149**  
**T5-2-149**



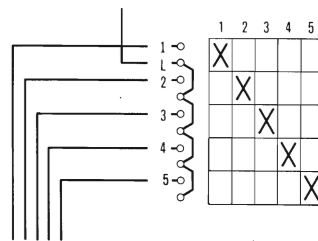
FS 406



**T5B-2-8231**  
**T5-2-8231**



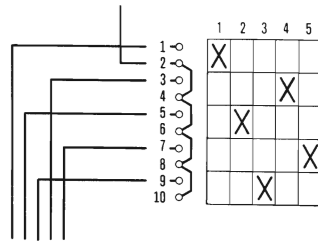
FS 406



**T5B-3-150**  
**T5-3-150**



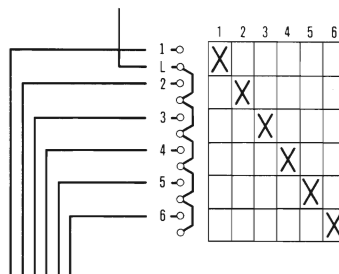
FS 408



**T5B-3-8232**  
**T5-3-8232**



FS 408



**T5B-3-151**  
**T5-3-151**



FS 410

# Stufenschalter

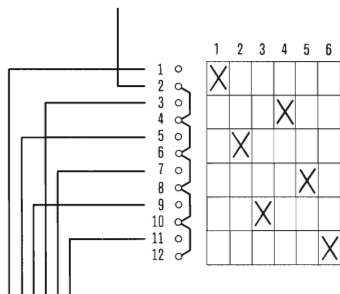
Step switches  
Commutateurs à gradins

ohne Nullstellung  
without "OFF" position  
sans position zéro

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

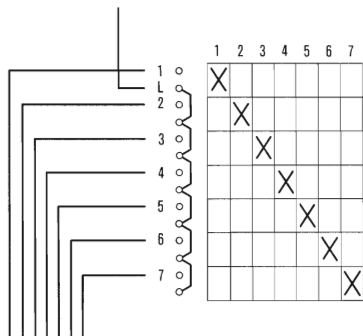
1



**T5B-3-8233**  
**T5-3-8233**



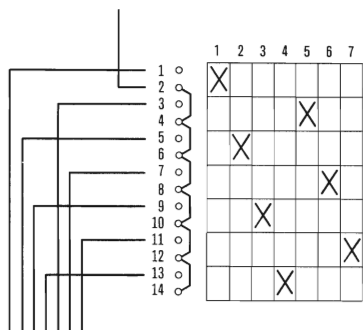
FS 410



**T5B-4-152**  
**T5-4-152**



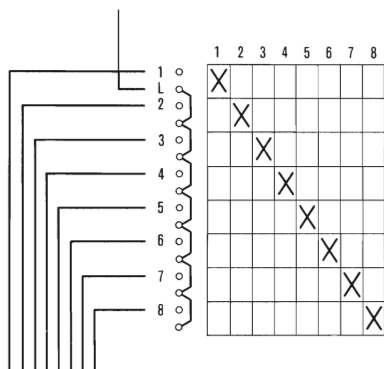
FS 412



**T5B-4-8234**  
**T5-4-8234**



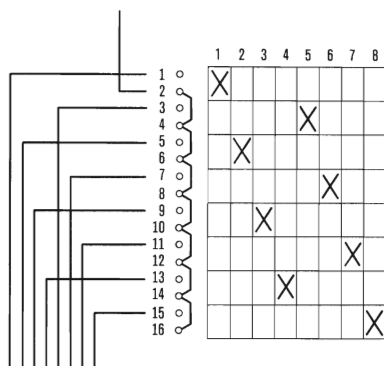
FS 412



**T5B-4-153**  
**T5-4-153**



FS 414



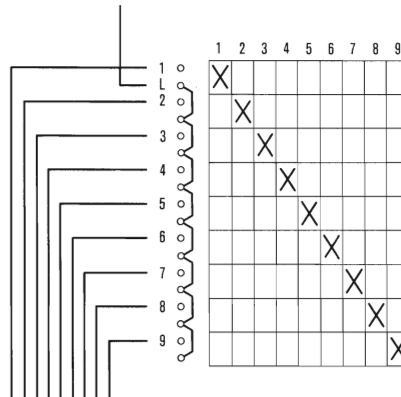
**T5B-4-8235**  
**T5-4-8235**



FS 414

Pole  
Poles  
Pôles

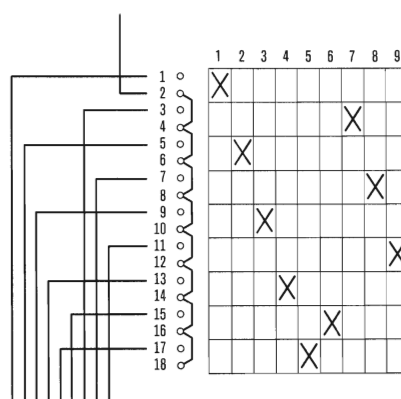
1



**T5B-5-15250**  
**T5-5-15250**



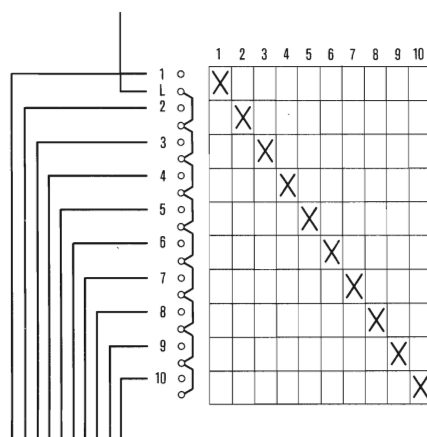
FS 304



**T5B-5-8236**  
**T5-5-8236**



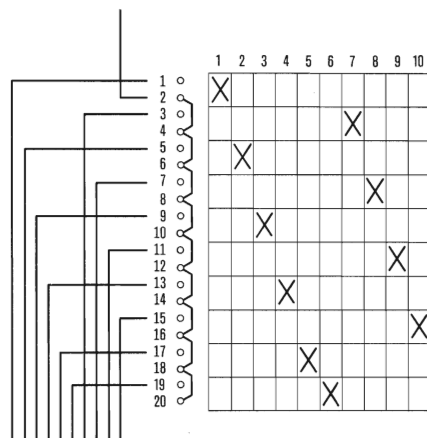
FS 304



**T5B-5-15251**  
**T5-5-15251**



FS 303



**T5B-5-8237**  
**T5-5-8237**

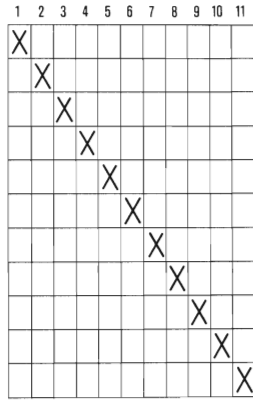
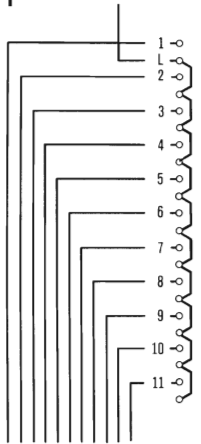


FS 303

Pole  
 Poles  
 Pôles

1

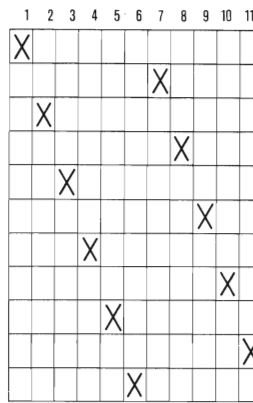
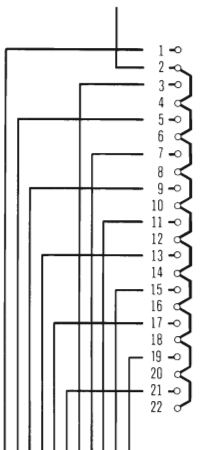
ohne Nullstellung  
 without "OFF" position  
 sans position zéro



**T5B-6-15252**  
**T5-6-15252**



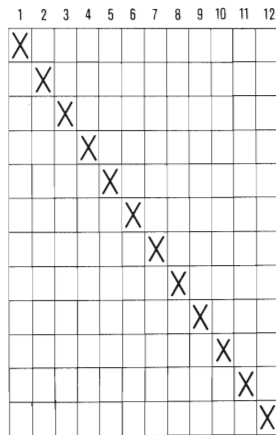
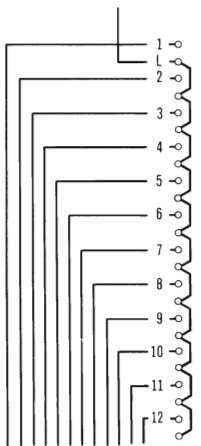
FS 302



**T5B-6-8238**  
**T5-6-8238**



FS 302

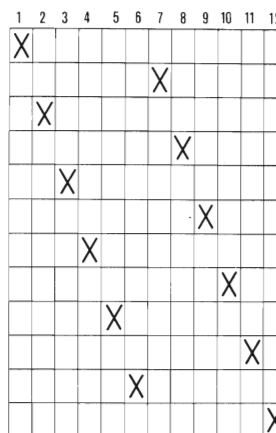
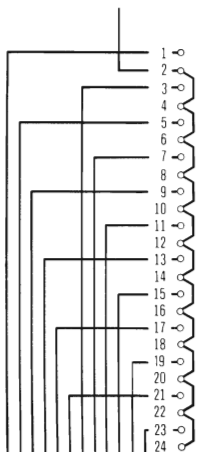


**T5B-6-15253**  
**T5-6-15253**



FS 301

mit Rund-  
 schaltung  
 Complete  
 rotation  
 Commutation  
 sans butée



**T5B-6-8239**  
**T5-6-8239**

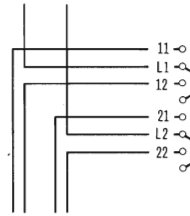


FS 301

Pole  
 Poles  
 Pôles

2

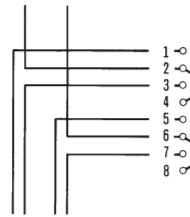
mit Nullstellung  
 with "OFF" position  
 avec position zéro



**T5B-2-15130**  
**T5-2-15130**



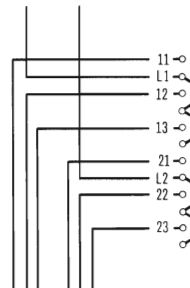
FS 418



**T5B-2-8260**  
**T5-2-8260**



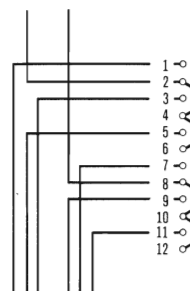
FS 418



**T5B-3-15131**  
**T5-3-15131**



FS 420



**T5B-3-8261**  
**T5-3-8261**



FS 420

# Stufenschalter

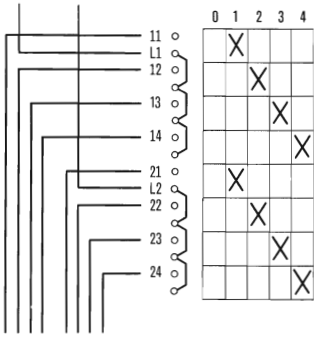
Step switches  
Commutateurs à gradins

mit Nullstellung  
with "OFF" position  
avec position zéro

1 Stufe/Stellung geschlossen  
One step/position closed  
1 cran/position fermée

Pole  
Poles  
Pôles

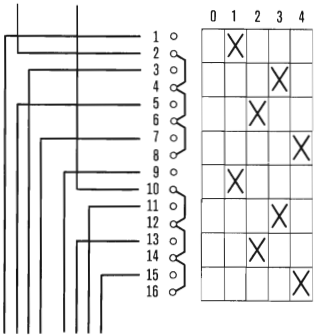
2



**T5B-5-15132**  
**T5-5-15132**



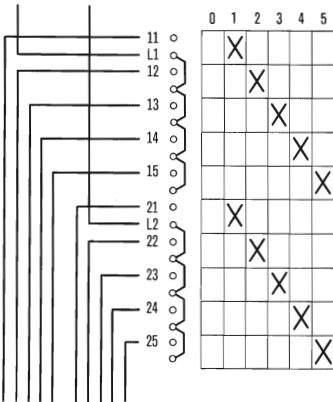
FS 422



**T5B-5-8262**  
**T5-5-8262**



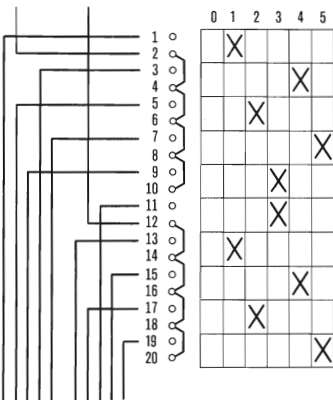
FS 422



**T5B-6-15133**  
**T5-6-15133**



FS 424



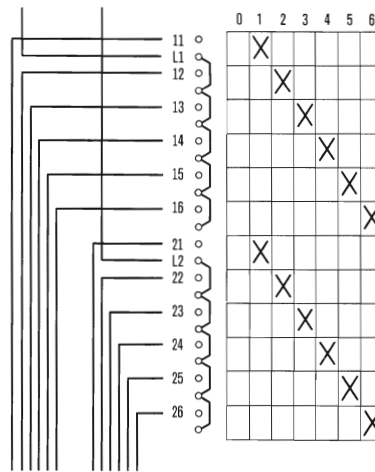
**T5B-6-8263**  
**T5-6-8263**



FS 424

Pole  
Poles  
Pôles

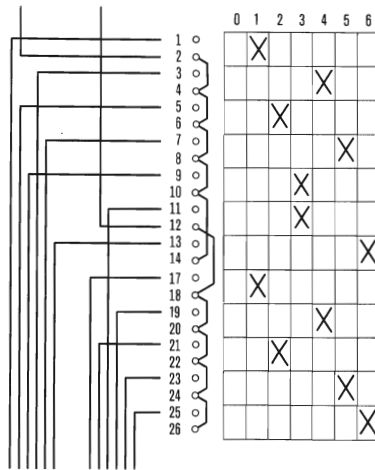
2



**T5B-7-15134**  
**T5-7-15134**



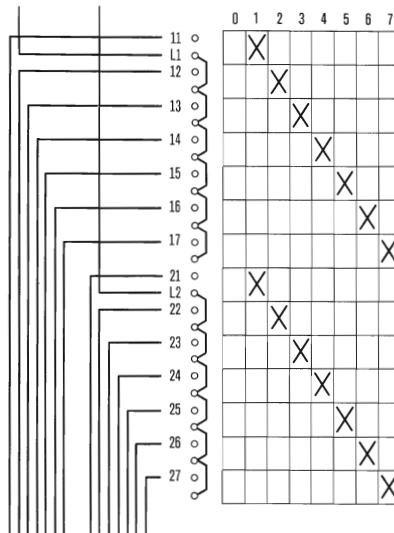
FS 426



**T5B-7-8264**  
**T5-7-8264**



FS 426



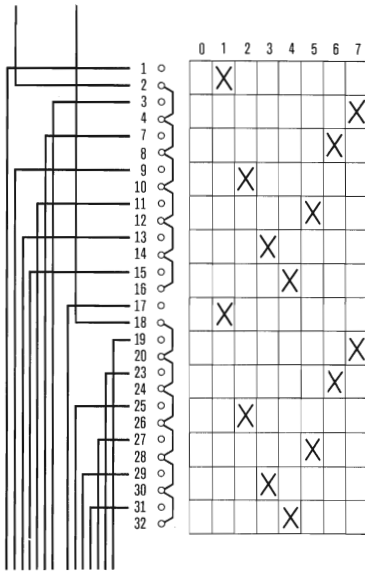
**T5B-8-15135**  
**T5-8-15135**



FS 428

Pole  
Poles  
Pôles

2



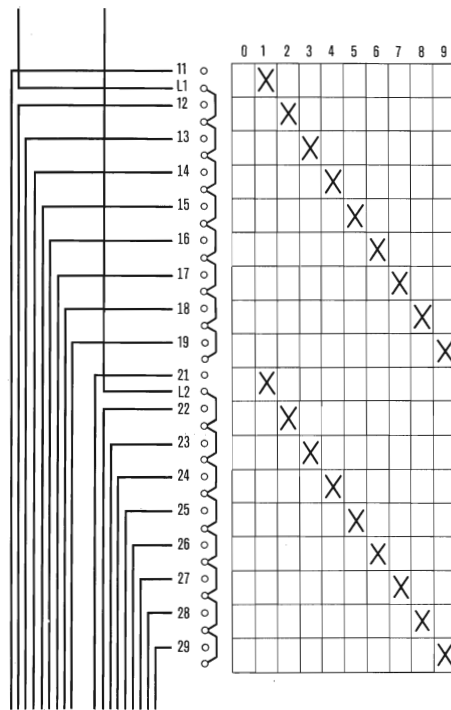
**T5B-8-8265**  
**T5-8-8265**



FS 428

Pole  
Poles  
Pôles

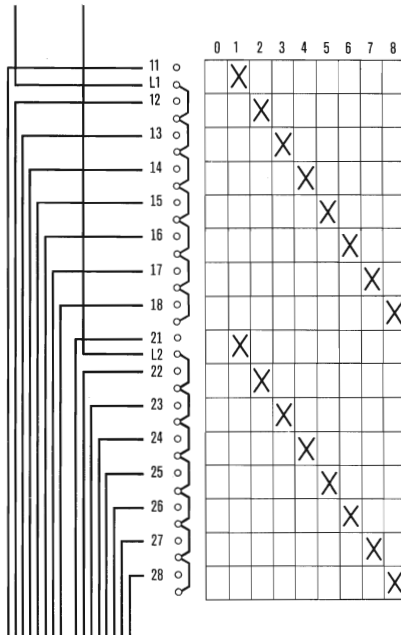
2



**T5B-10-15291**  
**T5-10-15291**



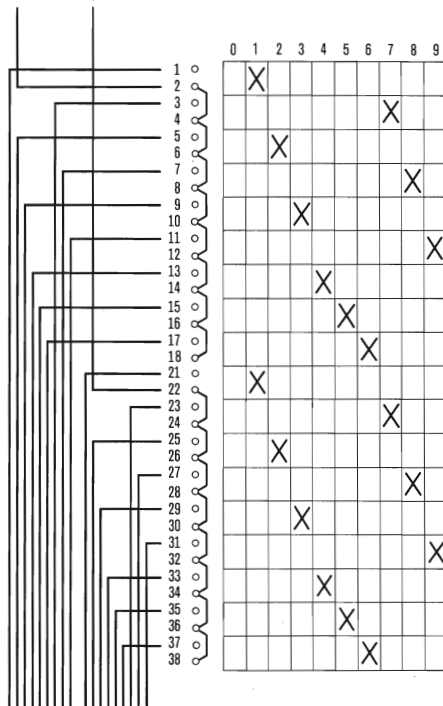
FS 312



**T5B-9-15290**  
**T5-9-15290**



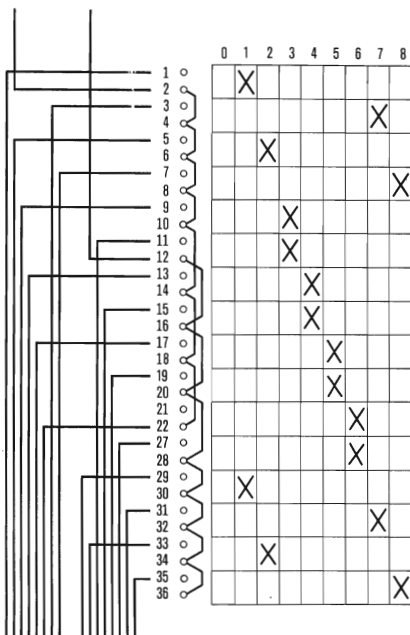
FS 313



**T5B-10-8267**  
**T5-10-8267**



FS 312



**T5B-9-8266**  
**T5-9-8266**

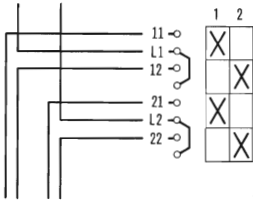


FS 313

**Pole**  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

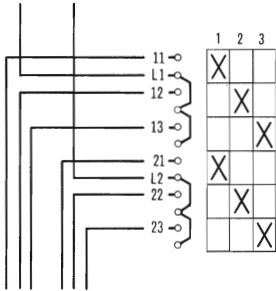
2



**T5B-2-15136**  
**T5-2-15136**



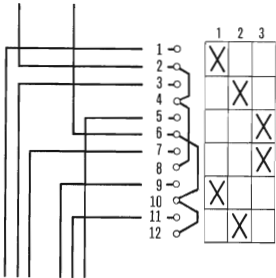
FS 402



**T5B-3-15137**  
**T5-3-15137**



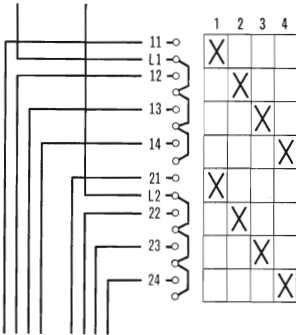
FS 404



**T5B-3-8250**  
**T5-3-8250**



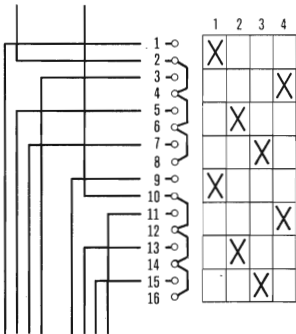
FS 404



**T5B-4-15138**  
**T5-4-15138**



FS 406



**T5B-4-8251**  
**T5-4-8251**

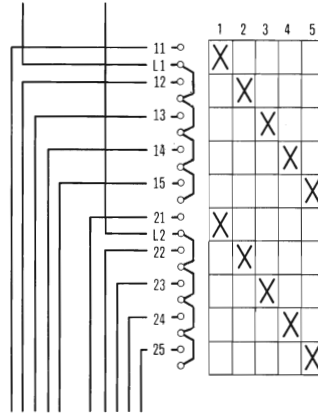


FS 406

**Pole**  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

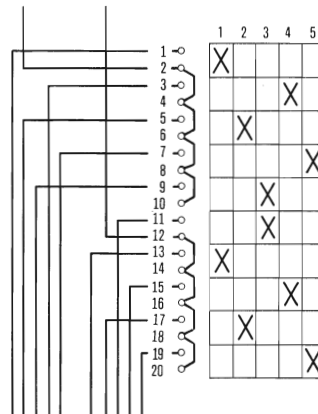
2



**T5B-5-15139**  
**T5-5-15139**



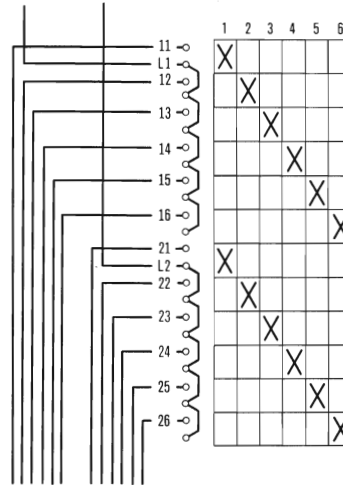
FS 408



**T5B-5-8252**  
**T5-5-8252**



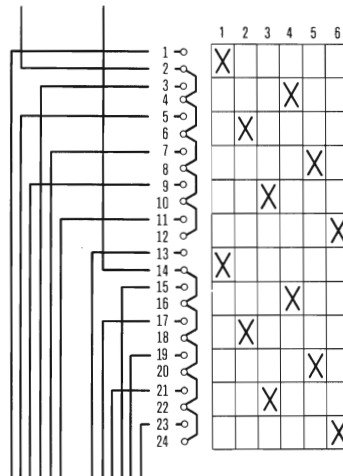
FS 408



**T5B-6-15140**  
**T5-6-15140**



FS 410



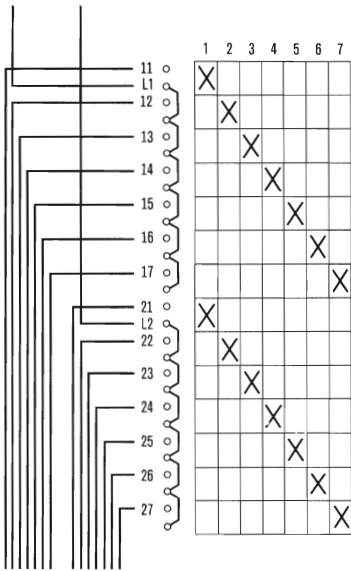
**T5B-6-8253**  
**T5-6-8253**



FS 410

**Pole**  
Poles  
Pôles

2



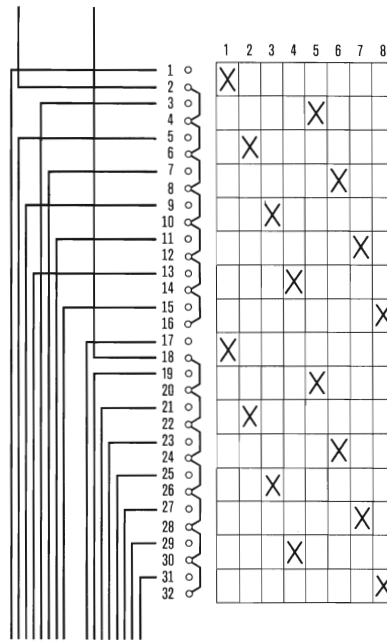
**T5B-7-15141**  
**T5-7-15141**



FS 412

**Pole**  
Poles  
Pôles

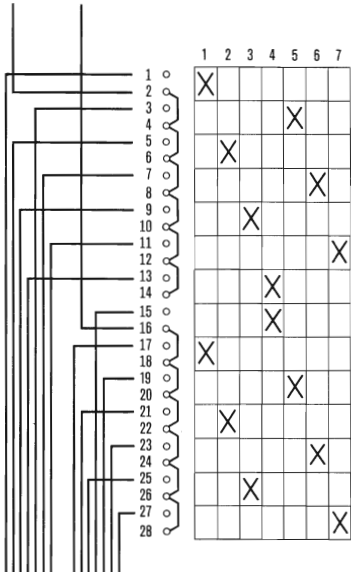
2



**T5B-8-8255**  
**T5-8-8255**



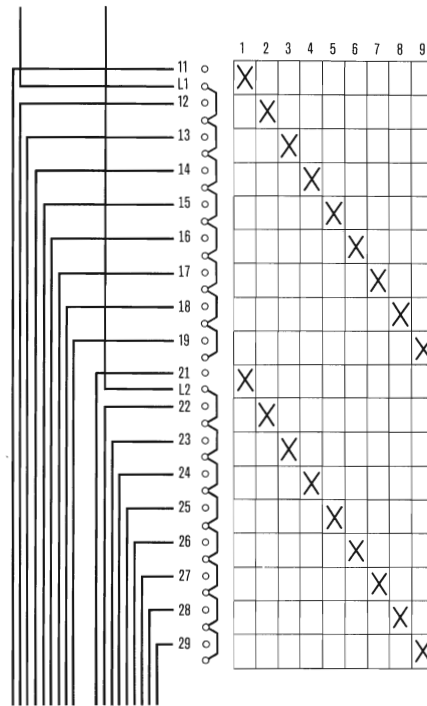
FS 414



**T5B-7-8254**  
**T5-7-8254**



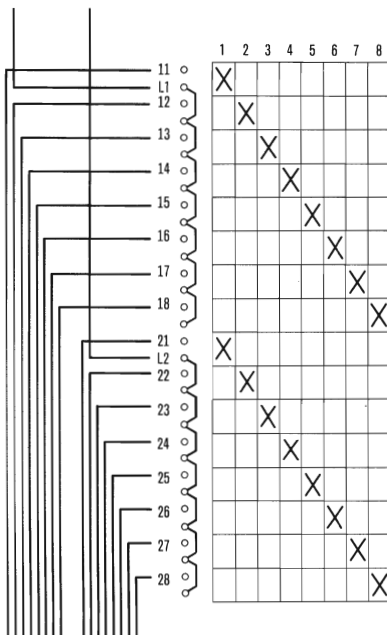
FS 412



**T5B-9-15294**  
**T5-9-15294**



FS 303

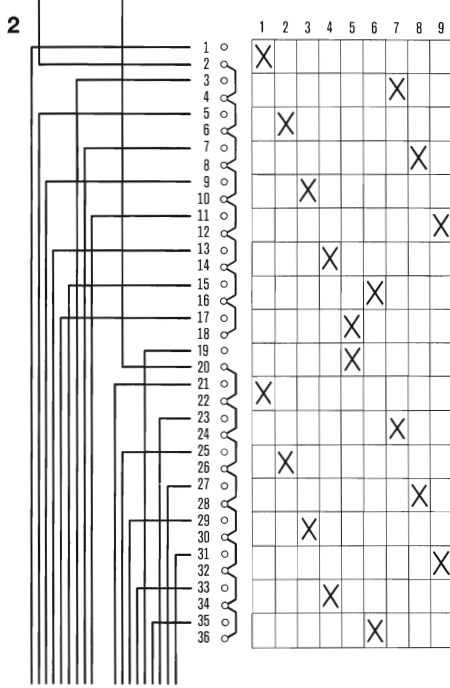


**T5B-8-15142**  
**T5-8-15142**



FS 414

Pole  
Poles  
Pôles

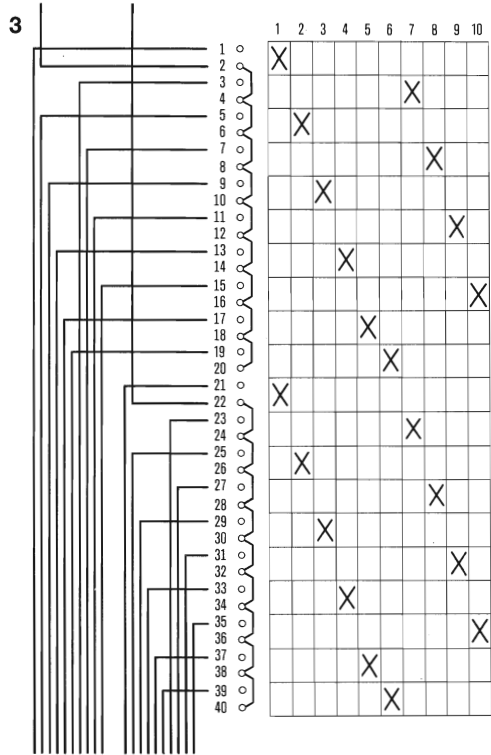


T5B-9-8256  
T5-9-8256



FS 304

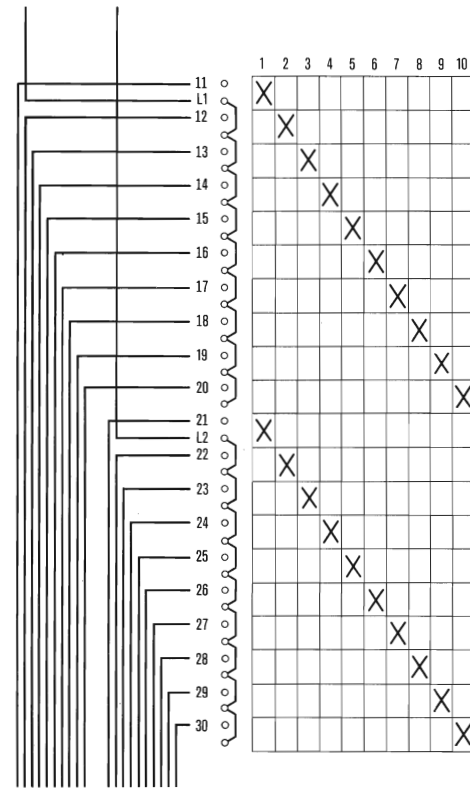
Pole  
Poles  
Pôles



T5B-10-8257  
T5-10-8257



FS 303

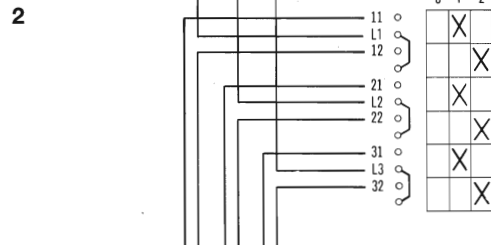


T5B-10-15295  
T5-10-15295



FS 303

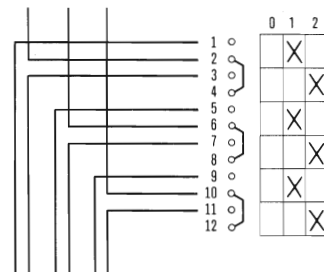
mit Nullstellung  
with "OFF" position  
avec position zéro



T5B-3-15143  
T5-3-15143



FS 418



T5B-3-8280  
T5-3-8280

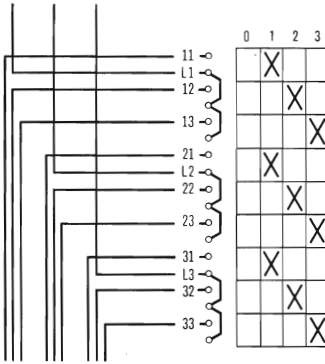


FS 418



**Pole**  
Poles  
Pôles

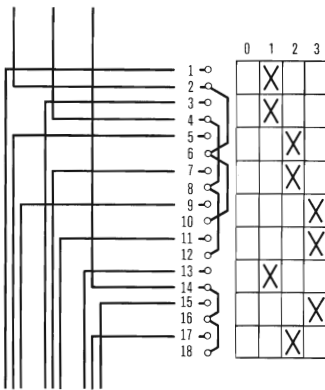
3



**T5B-5-15144**  
**T5-5-15144**



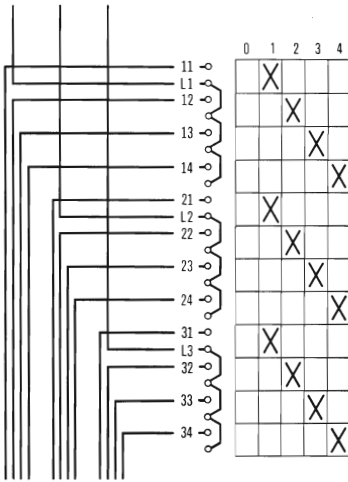
FS 420



**T5B-5-8281**  
**T5-5-8281**



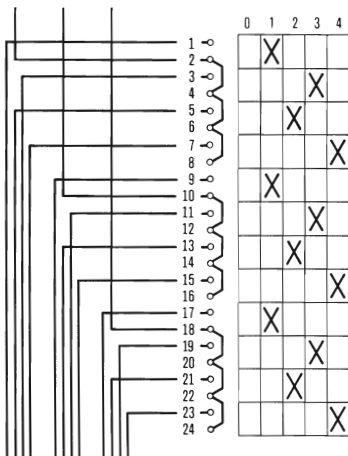
FS 420



**T5B-8-15145**  
**T5-8-15145**



FS 422



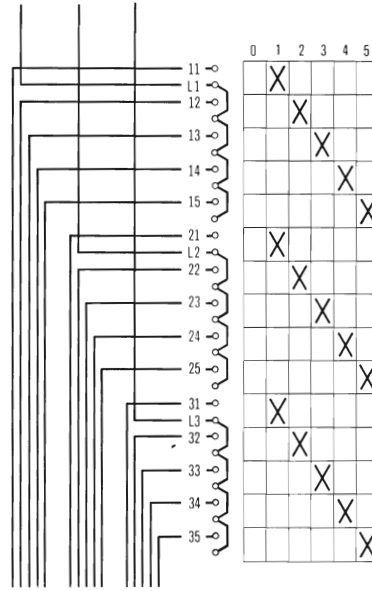
**T5B-8-8282**  
**T5-8-8282**



FS 422

**Pole**  
Poles  
Pôles

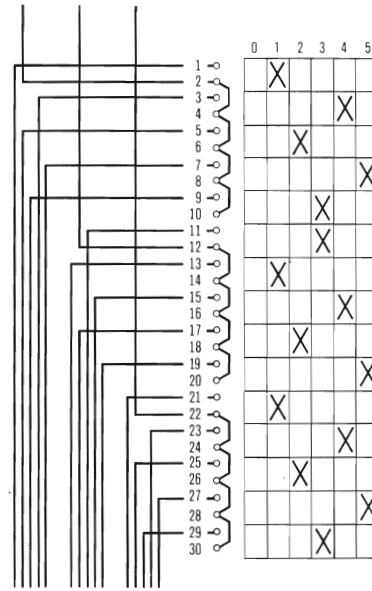
3



**T5B-9-15146**  
**T5-9-15146**



FS 424



**T5B-9-8283**  
**T5-9-8283**

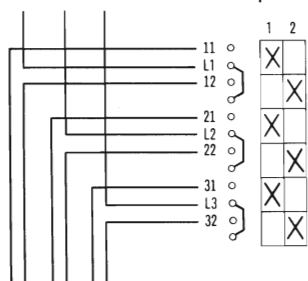


FS 424

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

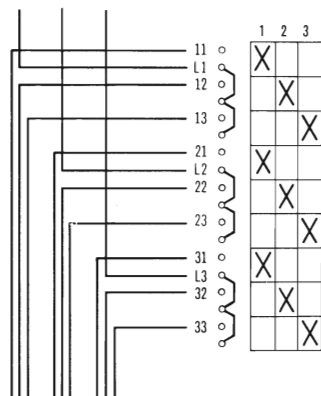
3



**T5B-3-15149**  
**T5-3-15149**



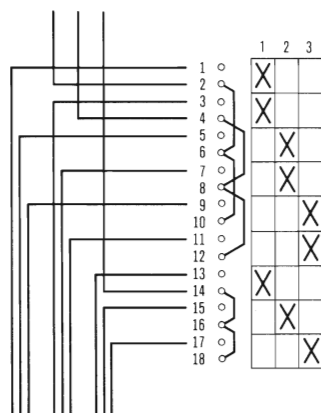
FS 402



**T5B-5-15150**  
**T5-5-15150**



FS 404



**T5B-5-15270**  
**T5-5-15270**

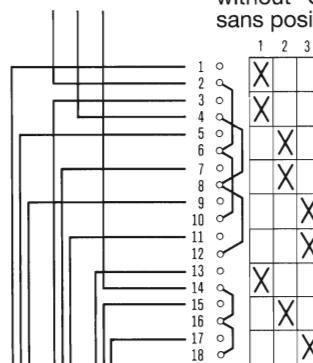


FS 603

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

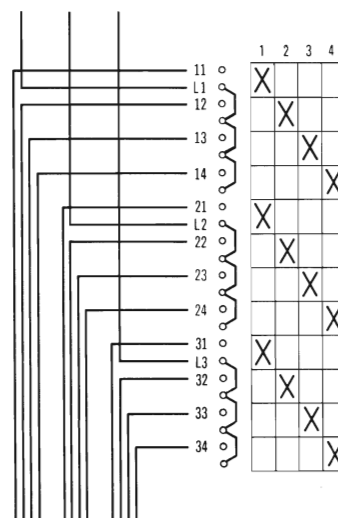
3



**T5B-5-8270**  
**T5-5-8270**



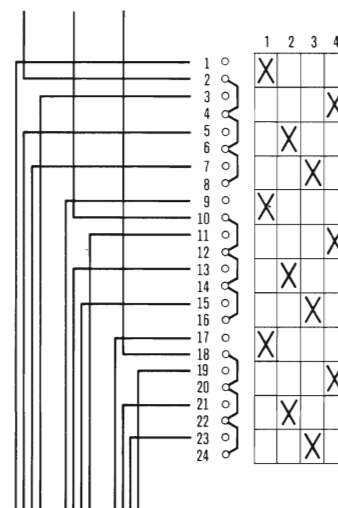
FS 404



**T5B-6-15151**  
**T5-6-15151**



FS 406



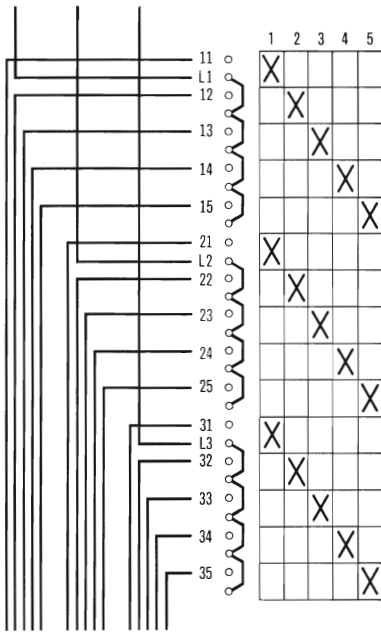
**T5B-6-8271**  
**T5-6-8271**



FS 406

Pole  
Poles  
Pôles

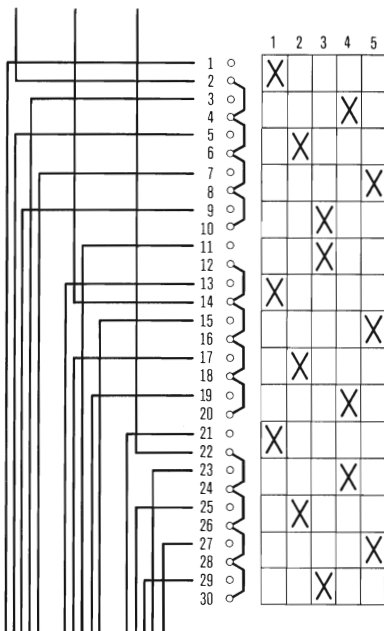
3



**T5B-8-15152**  
**T5-8-15152**



FS 408



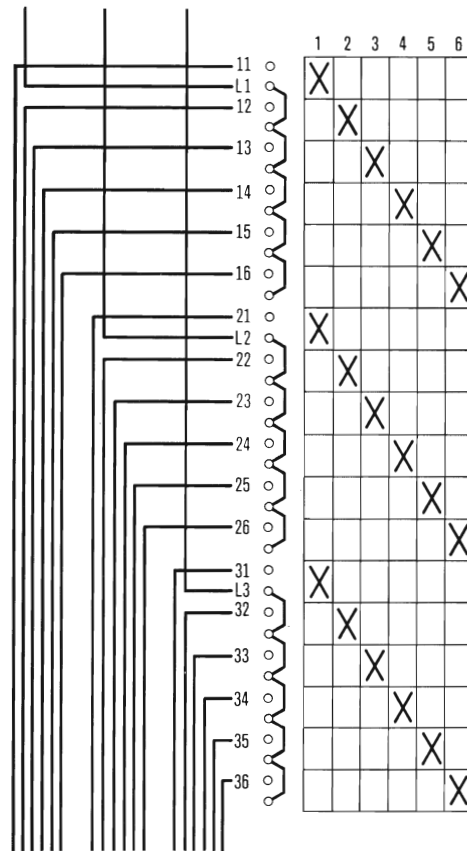
**T5B-8-8272**  
**T5-8-8272**



FS 408

Pole  
Poles  
Pôles

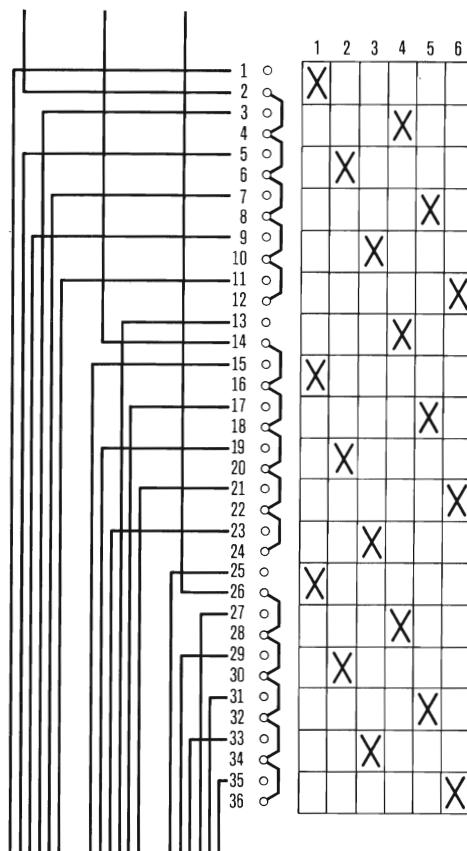
3



**T5B-9-15153**  
**T5-9-15153**



FS 410



**T5B-9-8273**  
**T5-9-8273**



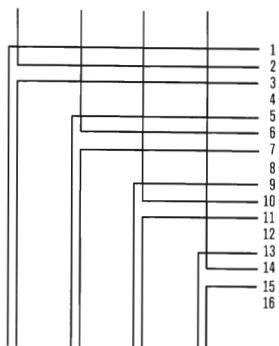
FS 610

Mit Anschlag  
With stop  
Avec butée

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

4



	0	1	2
1	X		
2		X	
3			X
4	X		
5		X	
6			X
7	X		
8		X	
9			X
10	X		
11		X	
12			X
13	X		
14		X	
15			X
16	X		

**T5B-4-8480**  
**T5-4-8480**

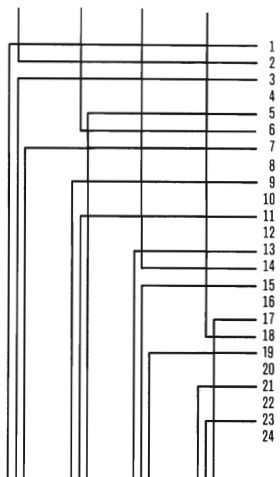


FS 644

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

4

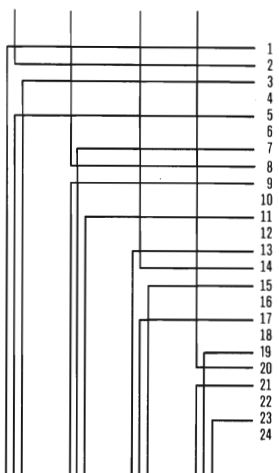


	1	2	3
1	X		
2		X	
3			X
4	X		
5		X	
6			X
7	X		
8		X	
9			X
10	X		
11		X	
12			X
13	X		
14		X	
15			X
16	X		
17		X	
18			X
19	X		
20		X	
21			X
22	X		
23		X	
24			X

**T5B-6-8476**  
**T5-6-8476**



FS 604

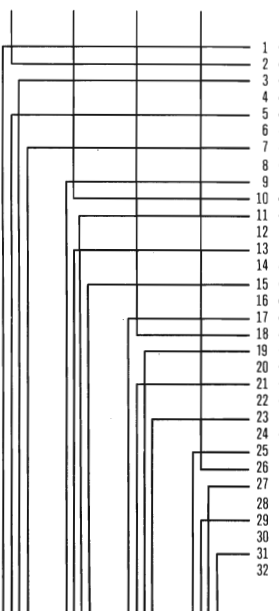


	0	1	2	3
1	X			
2		X		
3			X	
4				X
5	X			
6		X		
7			X	
8	X			
9		X		
10			X	
11	X			
12		X		
13			X	
14	X			
15		X		
16			X	
17	X			
18		X		
19			X	
20	X			
21		X		
22			X	
23	X			
24		X		

**T5B-6-8481**  
**T5-6-8481**



FS 420



	0	1	2	3	4
1	X				
2		X			
3			X		
4				X	
5	X				
6		X			
7			X		
8	X				
9		X			
10			X		
11	X				
12		X			
13			X		
14	X				
15		X			
16			X		
17	X				
18		X			
19			X		
20	X				
21		X			
22			X		
23	X				
24		X			
25			X		
26	X				
27		X			
28			X		
29	X				
30		X			
31			X		
32	X				

**T5B-10-8482**  
**T5-10-8482**

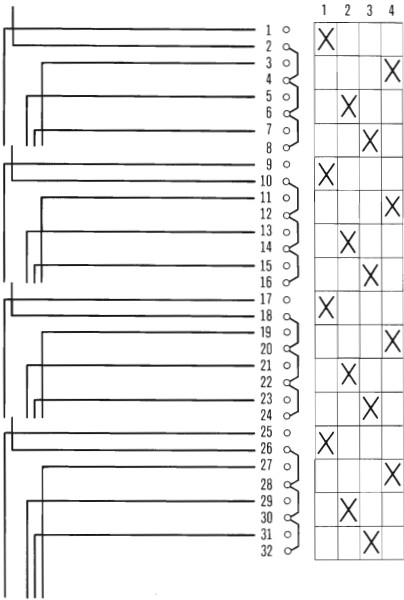


FS 422

Pole  
 Poles  
 Pôles

ohne Nullstellung  
 without "OFF" position  
 sans position zéro

4



T5B-8-8477  
 T5-8-8477

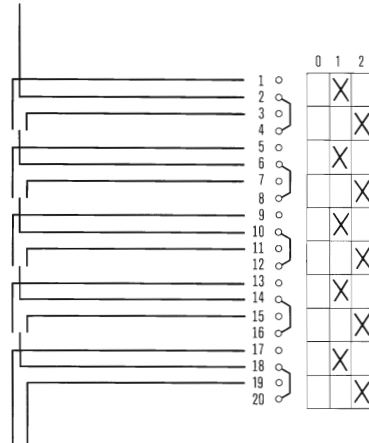


FS 406

Pole  
 Poles  
 Pôles

mit Nullstellung  
 with "OFF" position  
 avec position zéro

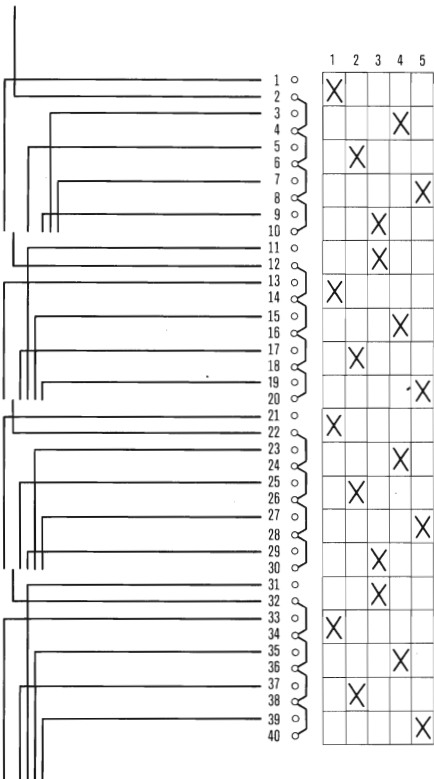
5



T5B-5-8486  
 T5-5-8486



FS 418



T5B-10-8478  
 T5-10-8478

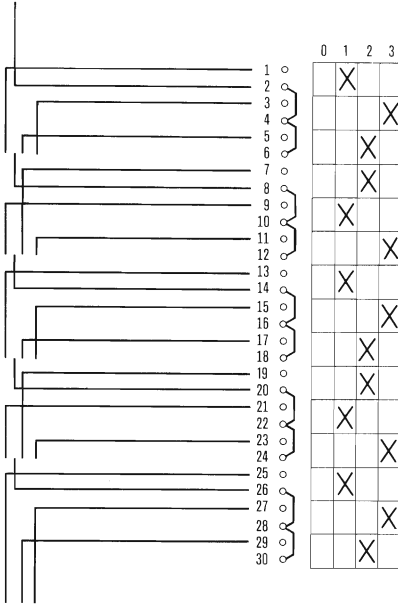


FS 608

**Pole**  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

5



**T5B-8-8487**  
**T5-8-8487**

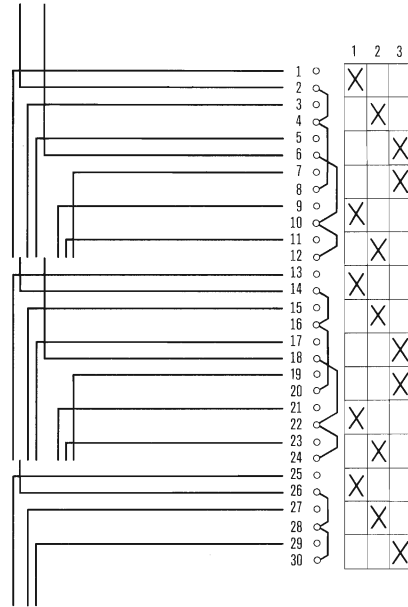


FS 420

**Pole**  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

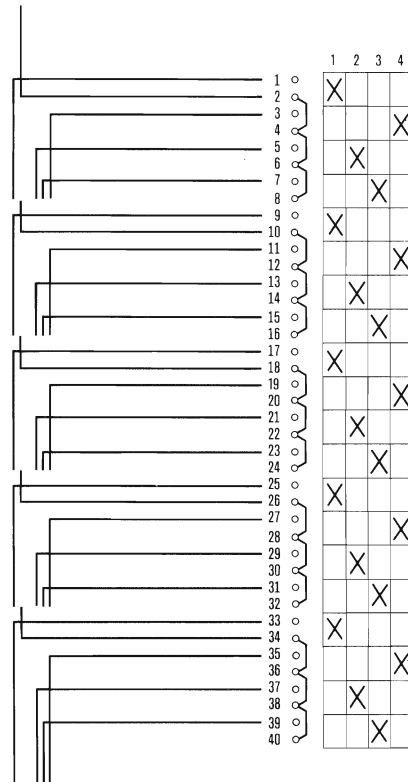
5



**T5B-8-8484**  
**T5-8-8484**



FS 604



**T5B-10-8485**  
**T5-10-8485**

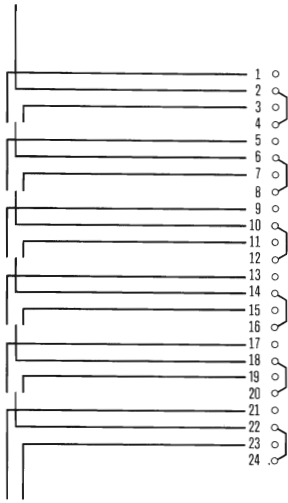


FS 406

Pole  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

6

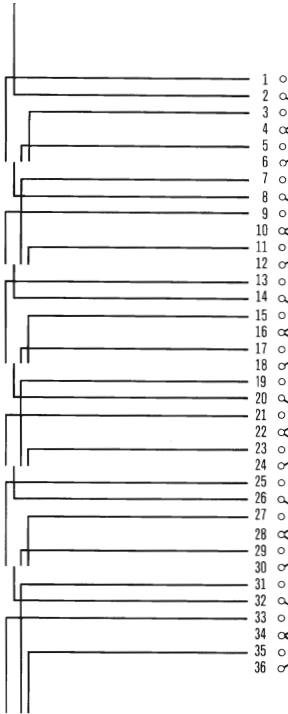


	0	1	2
1		X	
2			X
3		X	
4			X
5		X	
6			X
7		X	
8			X
9		X	
10			X
11		X	
12			X
13		X	
14			X
15		X	
16			X
17		X	
18			X
19		X	
20			X
21		X	
22			X
23		X	
24			X

T5B-6-8491  
T5-6-8491



FS 614



	0	1	2	3
1		X		
2				X
3			X	
4				X
5			X	
6				X
7			X	
8				X
9			X	
10				X
11			X	
12				X
13			X	
14				X
15			X	
16				X
17			X	
18				X
19			X	
20				X
21			X	
22				X
23			X	
24				X
25			X	
26				X
27			X	
28				X
29			X	
30				X
31			X	
32				X
33			X	
34				X
35			X	
36				X

T5B-9-8492  
T5-9-8492

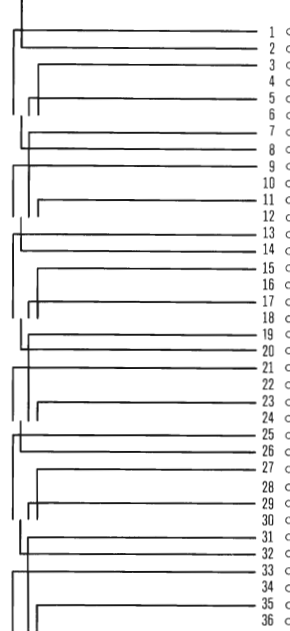


FS 420

Pole  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

6



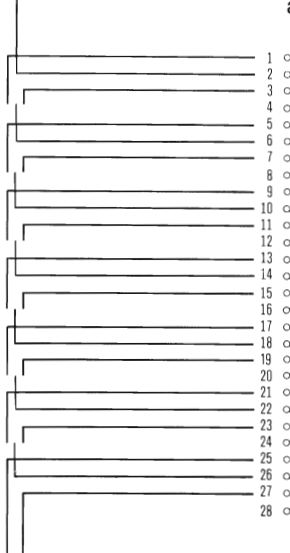
	1	2	3
1	X		
2		X	
3			X
4	X		
5		X	
6			X
7	X		
8		X	
9			X
10	X		
11		X	
12			X
13	X		
14		X	
15			X
16	X		
17		X	
18			X
19	X		
20		X	
21			X
22	X		
23		X	
24			X
25	X		
26		X	
27			X
28	X		
29		X	
30			X
31	X		
32		X	
33			X
34	X		
35		X	
36			X

T5B-9-8489  
T5-9-8489



FS 604

7



	0	1	2
1		X	
2			X
3		X	
4			X
5		X	
6			X
7		X	
8			X
9		X	
10			X
11		X	
12			X
13		X	
14			X
15		X	
16			X
17		X	
18			X
19		X	
20			X
21		X	
22			X
23		X	
24			X
25		X	
26			X
27		X	
28			X

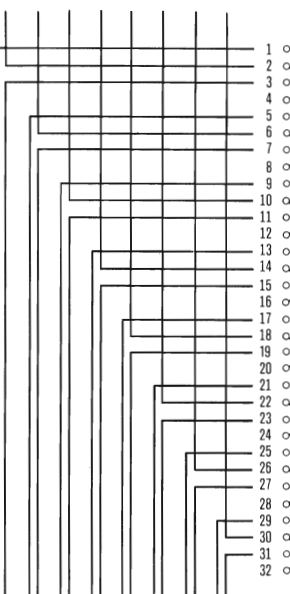
mit Nullstellung  
with "OFF" position  
avec position zéro

T5B-7-8495  
T5-7-8495



FS 614

8



	0	1	2
1		X	
2			X
3		X	
4			X
5		X	
6			X
7		X	
8			X
9		X	
10			X
11		X	
12			X
13		X	
14			X
15		X	
16			X
17		X	
18			X
19		X	
20			X
21		X	
22			X
23		X	
24			X
25		X	
26			X
27		X	
28			X
29		X	
30			X
31		X	
32			X

T5B-8-8498  
T5-8-8498

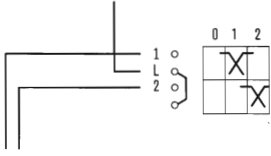


FS 644

**Pole**  
Poles  
Pôles

mit Nullstellung  
with "OFF" position  
avec position zéro

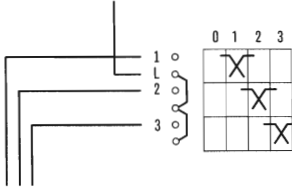
1



**T5B-1-15023**  
**T5-1-15023**



FS 418

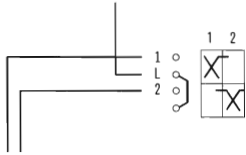


**T5B-2-15024**  
**T5-2-15024**



FS 420

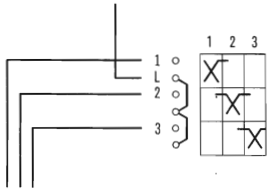
ohne Nullstellung  
without "OFF" position  
sans position zéro



**T5B-1-15002**  
**T5-1-15002**



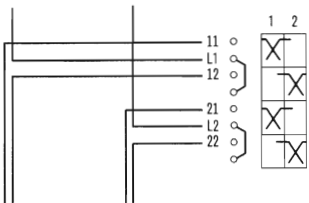
FS 402



**T5B-2-15003**  
**T5-2-15003**



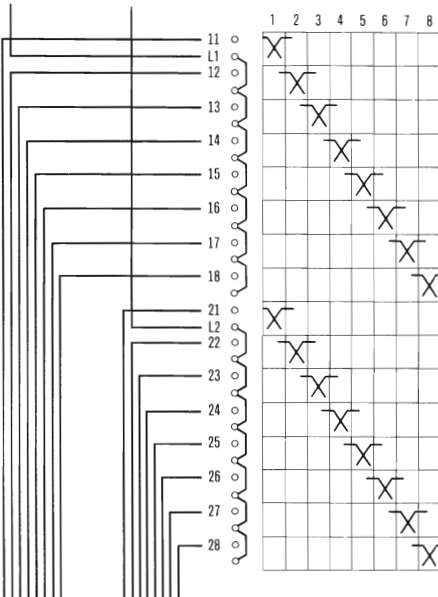
FS 404



**T5B-2-15009**  
**T5-2-15009**



FS 402



**T5B-8-15015**  
**T5-8-15015**

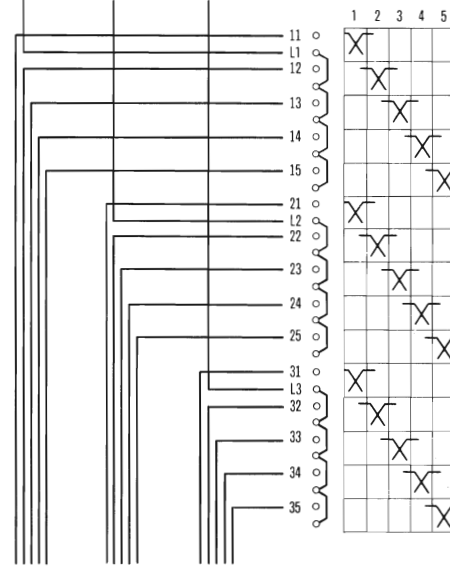


FS 414

**Pole**  
Poles  
Pôles

ohne Nullstellung  
without "OFF" position  
sans position zéro

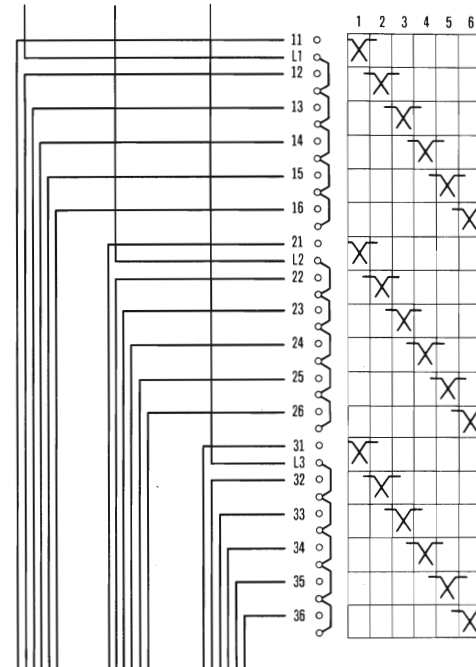
2



**T5B-8-15019**  
**T5-8-15019**



FS 406



**T5B-9-15020**  
**T5-9-15020**

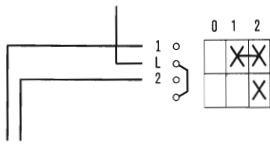


FS 410



**Pole**  
Poles  
Pôles

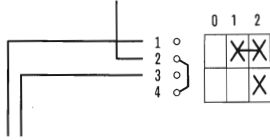
1



**T5B-1-170**  
**T5-1-170**



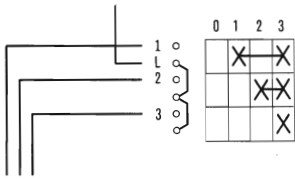
FS 418



**T5B-1-8310**  
**T5-1-8310**



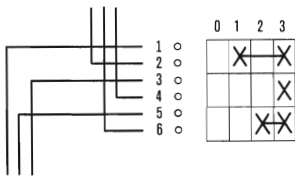
FS 418



**T5B-2-171**  
**T5-2-171**



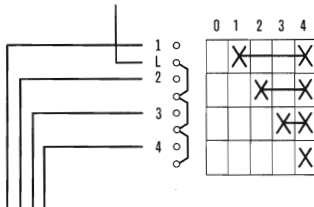
FS 420



**T5B-2-8311**  
**T5-2-8311**



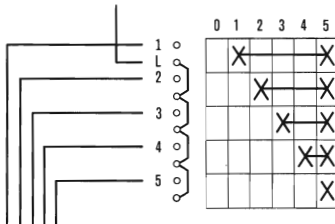
FS 420



**T5B-4-172**  
**T5-4-172**



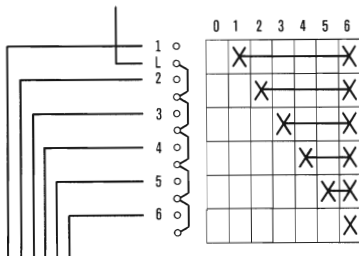
FS 422



**T5B-5-173**  
**T5-5-173**



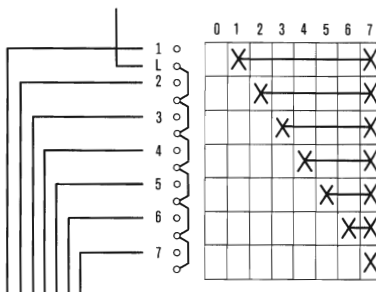
FS 424



**T5B-6-174**  
**T5-6-174**



FS 426



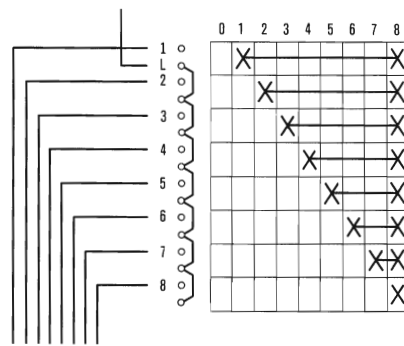
**T5B-7-175**  
**T5-7-175**



FS 428

**Pole**  
Poles  
Pôles

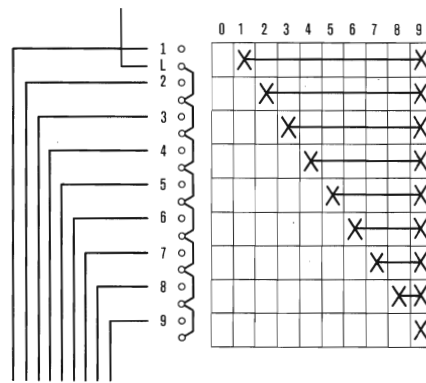
1



**T5B-8-15215**  
**T5-8-15215**



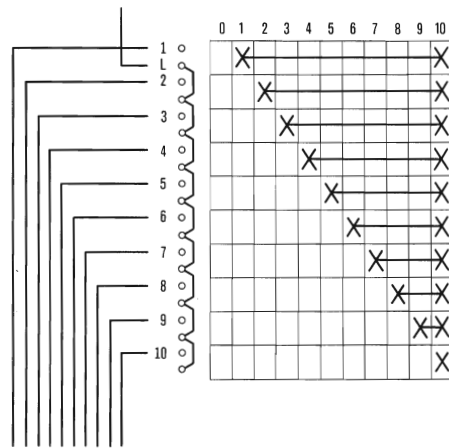
FS 313



**T5B-9-15216**  
**T5-9-15216**



FS 312



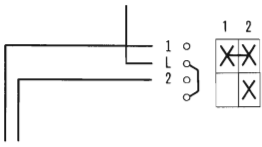
**T5B-10-15217**  
**T5-10-15217**



FS 311

Pole  
Poles  
Pôles

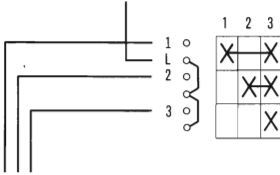
1



**T5B-1-176**  
**T5-1-176**



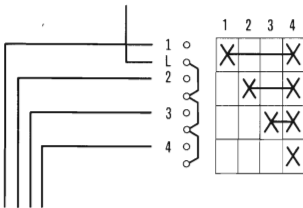
FS 402



**T5B-2-177**  
**T5-2-177**



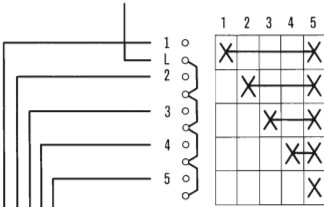
FS 404



**T5B-2-178**  
**T5-2-178**



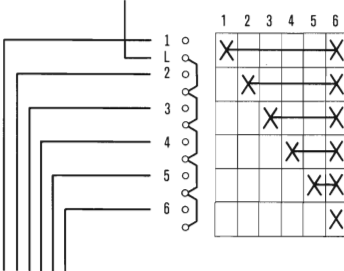
FS 406



**T5B-3-179**  
**T5-3-179**



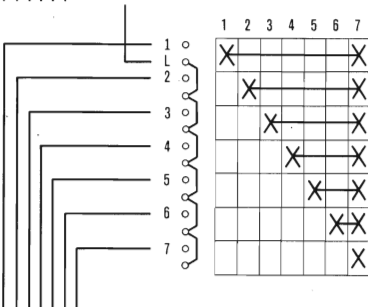
FS 408



**T5B-3-180**  
**T5-3-180**



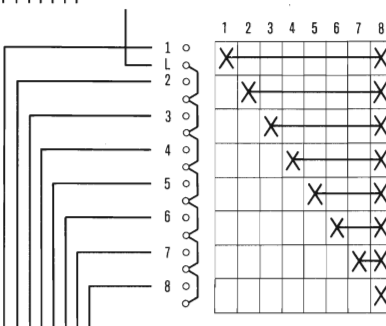
FS 410



**T5B-6-181**  
**T5-6-181**



FS 412



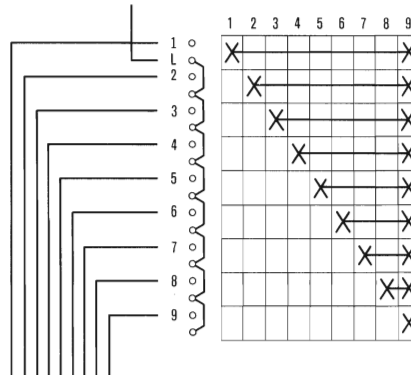
**T5B-7-182**  
**T5-7-182**



FS 414

Pole  
Poles  
Pôles

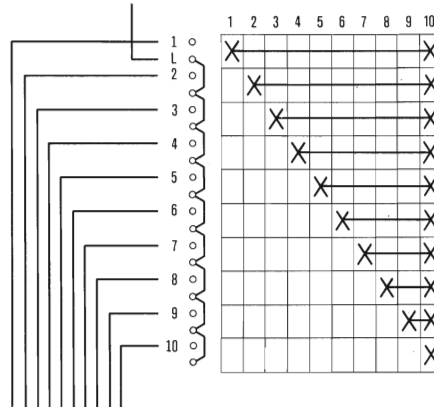
1



**T5B-8-15219**  
**T5-8-15219**



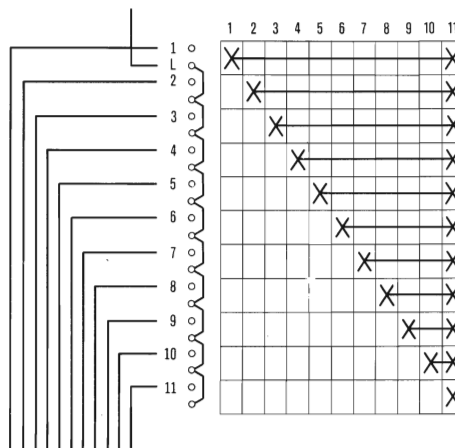
FS 313



**T5B-9-15220**  
**T5-9-15220**



FS 312

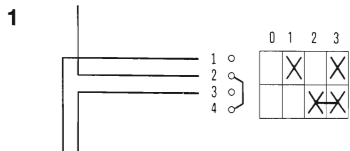


**T5B-10-15221**  
**T5-10-15221**



FS 311

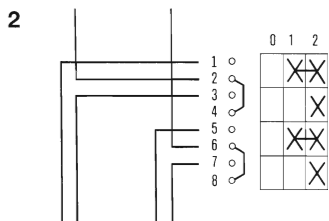
Pole  
Poles  
Pôles



**T5B-1-8330**  
**T5-1-8330**



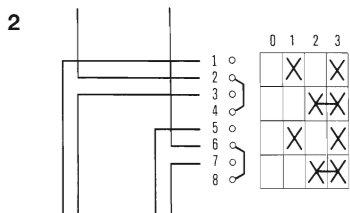
FS 420



**T5B-1-8330**  
**T5-2-8312**



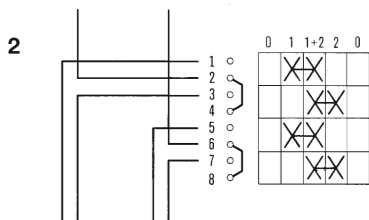
FS 418



**T5B-2-8331**  
**T5-2-8331**



FS 420

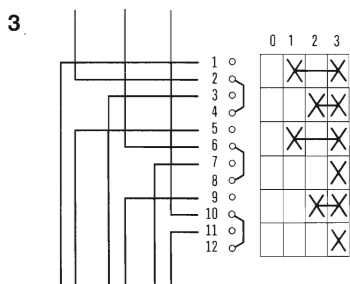


**T5B-2-15114**  
**T5-2-15114**



FS 1413465

Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens

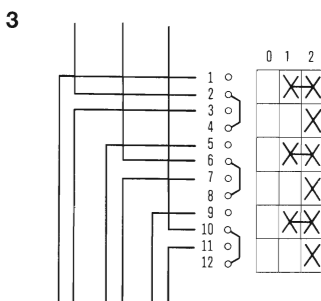


**T5B-3-8313**  
**T5-3-8313**



FS 420

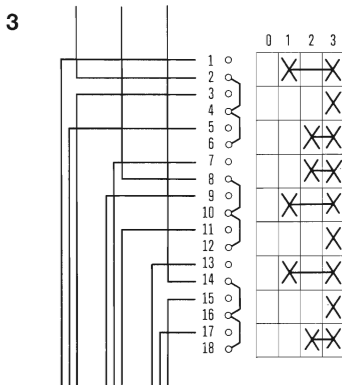
Pole  
Poles  
Pôles



**T5B-3-8314**  
**T5-3-8314**



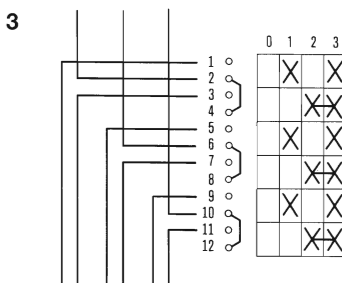
FS 418



**T5B-5-8315**  
**T5-5-8315**



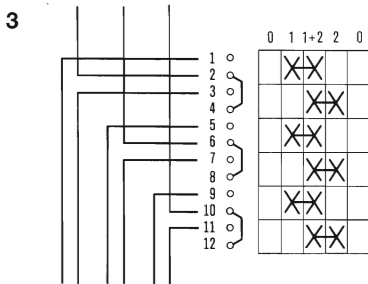
FS 420



**T5B-3-8332**  
**T5-3-8332**



FS 420

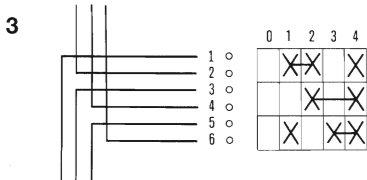


**T5B-4-15115**  
**T5-4-15115**



FS 1413465

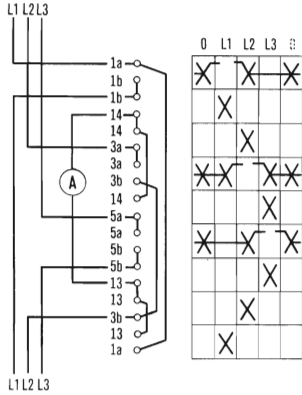
Rundschtaltung in beide Richtungen  
Complete rotation in both directions  
Rotation totale dans les deux sens



**T5B-3-8340**  
**T5-3-8340**



FS 422



**T5B-6-183**  
**T5-6-183**



FS 9440

Rundschtaltung  
Complete rotation  
Commutation sans butée

Batterie-Spannungs-Umschalter  
z. B. für 12 - 24 - 48 V = und  
Plus - Minus - Vertauschung,  
Aufladung in 0-Stellung

Battery voltage changeover switch  
e.g. for 12 - 24 - 48 V = and  
plus/minus selection,  
charging in 0-Position

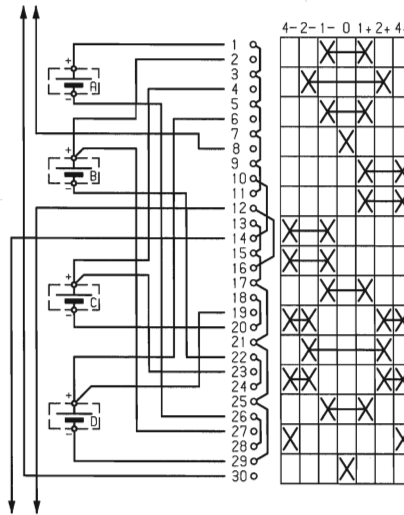
Commutateurs/inverseurs de batterie  
p. ex. pour 12 - 24 - 48 V = et  
inversion plus-moins,  
charge en position 0

**T5B-10-15611**  
**T5-10-15611**



FS 44260

**Ladegerät / Charger / Chargeur**



**Verbraucher / Consumer / Récepteur**

**Ein-Taster On-Off-switches Commutateurs de fermeture**

**Pole**  
Poles  
Pôles

**1**   **T5B-1-8204**  
**T5-1-8204**

alter Typ, old type, ancienne réf.

FS 455

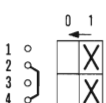
**T.-.-15301**  
**T.-.-15076**

**2**   **T5B-1-8205**  
**T5-1-8205**

alter Typ, old type, ancienne réf.

FS 455

**T.-.-15302**  
**T.-.-15077**



FS 140805

**T5B-1-8124**  
**T5-1-8124**

**3**   **T5B-2-8206**  
**T5-2-8206**

alter Typ, old type, ancienne réf.

FS 455

**T.-.-15303**  
**T.-.-15078**

**4**   **T5B-2-8207**  
**T5-2-8207**

alter Typ, old type, ancienne réf.

FS 455


**T.-.-15079**

**1**   **T5B-1-15321**  
**T5-1-15321**

FS 4721

**2**   **T5B-1-15322**  
**T5-1-15322**

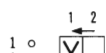
FS 4721

**3**   **T5B-2-15323**  
**T5-2-15323**

FS 4721

**Pole**  
Poles  
Pôles

**Umschalter mit Rückzug nach „1“**  
**Selector switches with spring return „1“**  
**Commutateurs avec retour automatique en position «1»**

**1**   **T5B-1-8295**  
**T5-1-8295**

FS 496

**2**   **T5B-2-8296**  
**T5-2-8296**

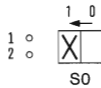
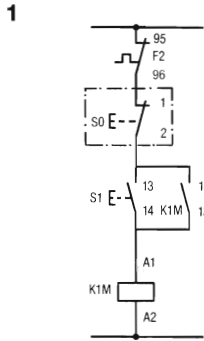
FS 496

**3**   **T5B-3-8297**  
**T5-3-8297**

FS 496

## AUS-Taster OFF-switches Commutateurs de d'ouverture

Pole  
Poles  
Pôles



**T5B-1-15331**  
**T5-1-15331**



FS 4722



**T5B-1-15332**  
**T5-1-15332**



FS 4722



**T5B-2-15333**  
**T5-2-15333**



FS 4722



**T5B-1-15351**  
**T5-1-15351**



FS 4723



**T5B-1-15352**  
**T5-1-15352**



FS 4723



**T5B-2-15353**  
**T5-2-15353**



FS 4723

Pole  
Poles  
Pôles



**T5B-1-15341**  
**T5-1-15341**



FS 142005



**T5B-1-15342**  
**T5-1-15342**



FS 142005



**T5B-2-15343**  
**T5-2-15343**

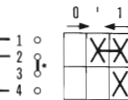
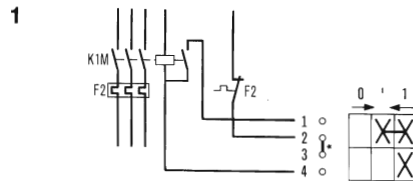


FS 142005

## EIN-AUS-Taster ON-OFF-switches Commutateurs de commande

Pole  
Poles  
Pôles

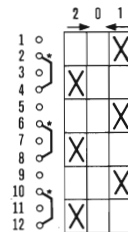
Steuerung von 1 Schütz  
Controlling one contactor  
Commande d'un contacteur



**T5B-1-8**  
**T5-1-8**



FS 456



**T5B-3-15373**  
**T5-3-15373**




FS 458

Pole  
Poles  
Pôles

**1**

	0	1
1	○	
2	○	X

**T5B-1-15401  
T5-1-15401**




FS 415

**2**

	0	1
1	○	
2	○	X
3	○	X
4	○	X


**T5B-1-15402  
T5-1-15402**



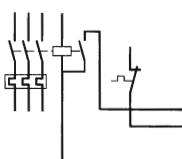
FS 415

	0	1
1	○	
2	○	X
3	○	X
4	○	X
5	○	
6	○	

**T5B-2-15403  
T5-2-15403**




FS 415



	STOP	START
1	○	
3	○	X
3	○	X
2	○	X


**T5B-1-15462  
T5-1-15462**



FS 190848

	0	1
1	○	
3	○	X
3	○	X
2	○	X
11	○	X
13	○	X
13	○	X
12	○	X


**T5B-2-15461  
T5-2-15461**



FS 907

	STOP	START
1	○	
3	○	X
3	○	X
2	○	X
11	○	X
13	○	X
13	○	X
12	○	X

**T5B-2-15463  
T5-2-15463**




FS 190848

Pole  
Poles  
Pôles

**4**

	0	1
1	○	
2	○	X
3	○	X
4	○	X
5	○	X
6	○	X
7	○	X
8	○	X

**T5B-2-15404  
T5-2-15404**




FS 415

**1**

	STOP	START
1	○	
2	○	X

**T5B-1-15411  
T5-1-15411**




FS 142003

**2**

	STOP	START
1	○	
2	○	X
3	○	X
4	○	X

**T5B-1-15412  
T5-1-15412**




FS 142003

**3**

	STOP	START
1	○	
2	○	X
3	○	X
4	○	X
5	○	X
6	○	X

**T5B-2-15413  
T5-2-15413**




FS 142003

**4**

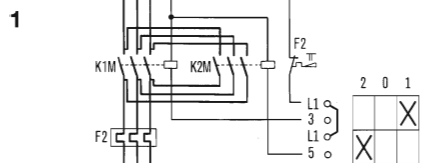
	STOP	START
1	○	
2	○	X
3	○	X
4	○	X
5	○	X
6	○	X
7	○	X
8	○	X

**T5B-2-15414  
T5-2-15414**



FS 142003

Pole  
Poles  
Pôles



Steuerung von 1 Wendeschütz  
Controlling one reversing contactor  
Commande d'un contacteur-inverseur

**T5B-1-78**  
**T5-1-78**



FS 429

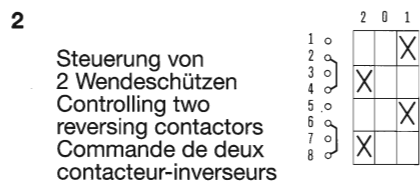


Steuerung von 1 Wendeschütz  
Controlling one reversing contactor  
Commande d'un contacteur-inverseur

**T5B-1-15421**  
**T5-1-15421**



FS 429

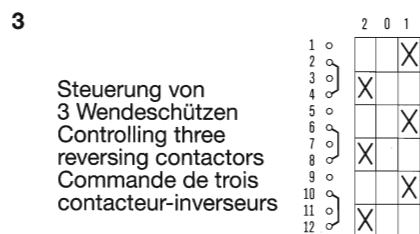


Steuerung von 2 Wendeschützen  
Controlling two reversing contactors  
Commande de deux contacteur-inverseurs

**T5B-2-15422**  
**T5-2-15422**



FS 429



Steuerung von 3 Wendeschützen  
Controlling three reversing contactors  
Commande de trois contacteur-inverseurs

**T5B-3-15423**  
**T5-3-15423**



FS 429



**T5B-1-15180**  
**T5-1-15180**



FS 621



**T5B-2-8711**  
**T5-2-8711**



FS 684

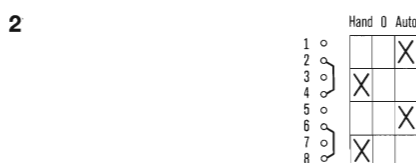


**T5B-1-15431**  
**T5-1-15431**



FS 1401

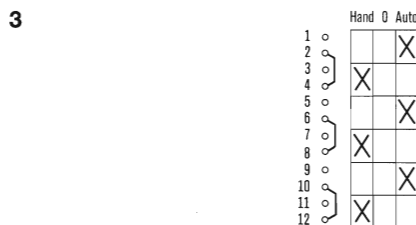
Pole  
Poles  
Pôles



**T5B-2-15432**  
**T5-2-15432**



FS 1401



**T5B-3-15433**  
**T5-3-15433**



FS 1401



**T5B-1-97**  
**T5-1-97**



FS 943



**T5B-1-15441**  
**T5-1-15441**



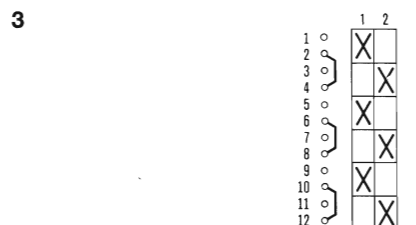
FS 902



**T5B-2-15442**  
**T5-2-15442**



FS 902



**T5B-3-15443**  
**T5-3-15443**



FS 902



**T5B-1-15451**  
**T5-1-15451**



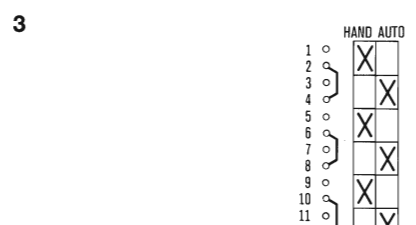
FS 19334



**T5B-2-15452**  
**T5-2-15452**



FS 19334



**T5B-3-15453**  
**T5-3-15453**

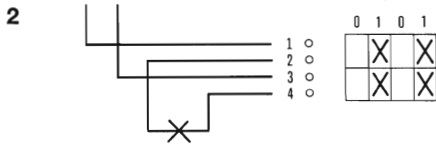


FS 19334



**Pole**  
Poles  
Pôles

Aus-Schalter, Load break isolating switch, Interrupteur



**T5B-1-15108**  
**T5-1-15108**



FS 926

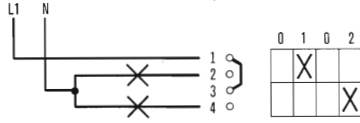


**T5B-3-15042**  
**T5-3-15042**



FS 926

Gruppen-Schalter, Group switch, Commutateur de groupe



**T5B-1-15109**  
**T5-1-15109**



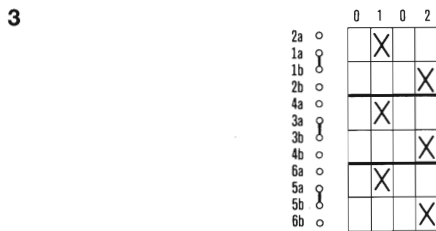
FS 928



**T5B-2-15044**  
**T5-2-15044**



FS 928



**T5B-3-15045**  
**T5-3-15045**

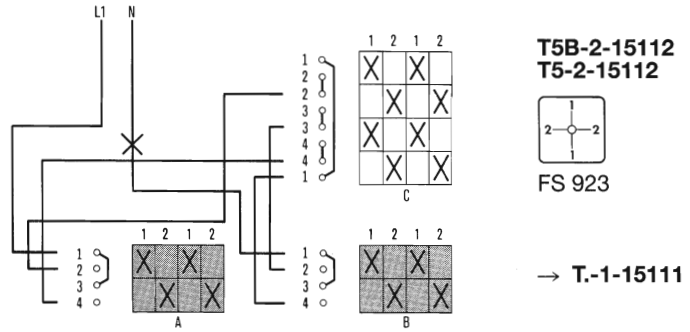
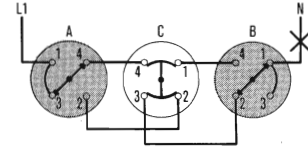


FS 928

**Pole**  
Poles  
Pôles

1

Kreuz-Schalter  
Intermediate switch  
Commutateur-inverseur



**T5B-2-15112**  
**T5-2-15112**



FS 923

→ **T-1-15111**

## Standardisierte Verriegelung zwischen Nockenschalter und Schütz

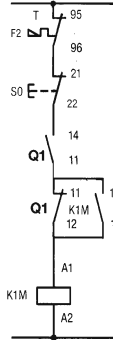
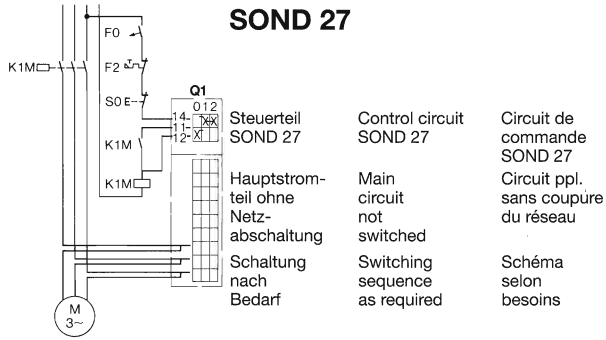
Steuerteil für standardisierte Schützverriegelungen (Spannungsrückgangs- bzw. Überlastschutz durch Schütz bzw. Motorschutzrelais).

## Standard interlock between switch and contactor

Control sections for standard electrical interlocking (protection against "no volt" or overload via contactors or relays)

## Verrouillage standardisé entre commutateur et contacteur

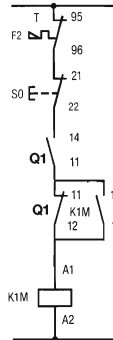
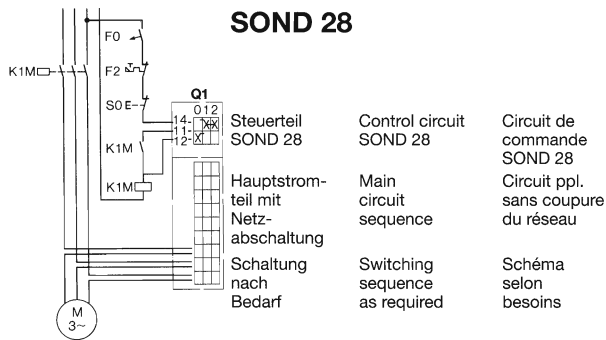
Schémas normalisés d'asservissement d'un contacteur (protections contre les surcharges et les retours de tension assurées par le relais thermique et le contacteur)



**Verriegelung** mit Nockenschalter. Netzabschaltung **nur** durch Schütz. Wiedereinschaltung nur in der „0“-Stellung des Nockenschalters. Verwendung: vorwiegend für Y- $\Delta$ -Schaltung.

**Interlocking** with cam switch. Mains disconnection by contactor **only**. Restarting only possible with cam switch in the "0" position. Used mainly for star-delta switches.

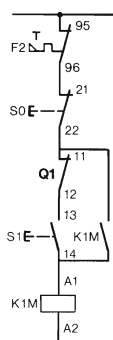
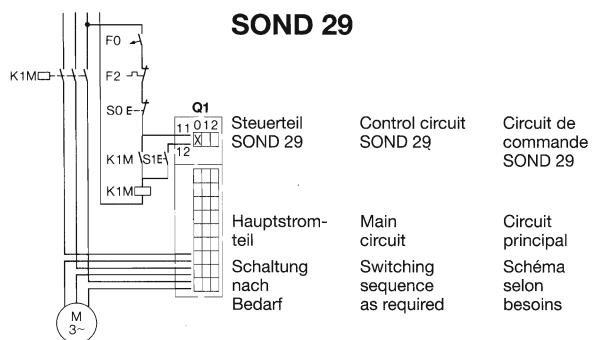
**Avec asservissement par le commutateur à cames**  
Coupure du réseau seulement par le contacteur. Réenclenchement seulement en position «0» du commutateur. Utilisé essentiellement pour le démarrage étoile-triangle.



**Verriegelung** mit Nockenschalter. Netzabschaltung durch Schütz **und** Nockenschalter. Wiedereinschaltung: wie SOND 27. Verwendung: vorwiegend für Y- $\Delta$ -Schaltung und Umschaltung.

**Interlocking** with cam switch. Mains disconnection by contactor **and** cam switch together. Restarting: as SOND 27. Used mainly for star-delta and changeover switches.

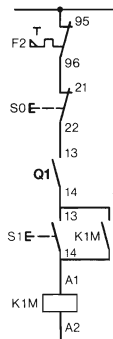
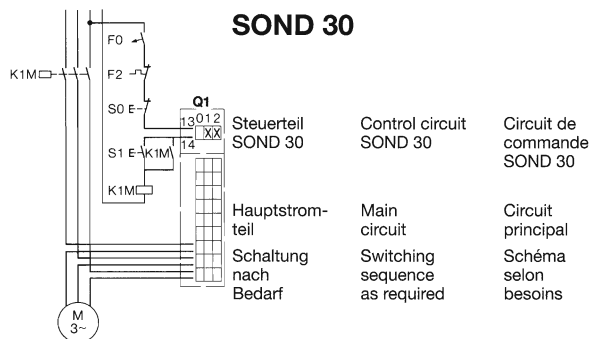
**Avec asservissement par le commutateur à cames**  
Coupure du réseau par le contacteur **et** le commutateur. Réenclenchement comme SOND 27. Utilisé essentiellement pour le démarrage étoile-triangle et l'inversion.



**Verriegelung** mit Schütz. Netzzuschaltung durch Schütz **nur** in der „0“-Stellung des Schalters (Nullstellungszwang). Verwendung: Y- $\Delta$ -Schaltung, Umschaltung, Polumschaltung.

**Interlocking** with contactor. Mains connection by contactor **only** when cam switch is in "0" position (Off position interlock). Used for star-delta, changeover and multi-speed switches.

**Avec asservissement supplémentaire par bouton de mise en marche.** Le contacteur ne se ferme qu'en position «0» du commutateur. Utilisation: démarrage étoile-triangle, inversion, commutation de pôles.



**Verriegelung** mit Schütz. Netzzuschaltung durch Schütz **nur** in den Betriebs-Stellungen des Nockenschalters. Bei jedem Stellungswechsel fällt das Schütz ab. Verwendung: Umschaltung, Polumschaltung.

**Interlocking** with contactor. Mains connection by contactor **only** when cam switch is in run positions. Each change in switch position causes contactor to drop out. Used for changeover and multi-speed switches.

**Avec asservissement supplémentaire par bouton de mise en marche.** Le contacteur ne se ferme qu'aux positions de marche du commutateur. Le contacteur retombe à chaque changement de position. Utilisation comme SOND 29.

<b>Verzeichnis der Standardschaltungen</b> <b>List of standard types</b> <b>Index de schémas standards</b>	<b>4/01</b>
<b>Gegenüberstellung alte/neu</b> <b>Schaltungsnummer</b> <b>List of old and new type references</b> <b>Numéros de schémas modifiés</b>	<b>4/55</b>
<b>Sonderschaltungen</b> <b>Non-standard types</b> <b>Schémas spéciaux</b>	<b>4/56</b>
<b>Kopiervorlagen für Sonderfrontschilder</b> <b>Copy specimen for non-standard</b> <b>front plates</b> <b>Formulaire de commande de plastrons</b> <b>spéciaux (spécimen à photocopier)</b>	<b>4/60</b>



# Standardschaltungen

## Standard contact sequences / Schémas standards

Legende	Legend	Légende
<b>Art</b> <b>Kennzeichnung</b>	<b>Form</b>	<b>Désignation</b>
<b>BA</b> Betriebsarten-Wahlschalter	<b>BA</b> Operating mode selector switch	<b>BA</b> Sélecteur de mode
<b>CD</b> Codierschalter	<b>CD</b> Coding switch	<b>CD</b> Commutateur de codage
<b>E</b> Einschalter (nicht FS 908, nicht als Hauptschalter)	<b>E</b> On-switch (not FS 908, not as main switch)	<b>E</b> Commutateur MARCHE (sans FS 908, pas comme interr. gén.)
<b>EA</b> <b>EIN-AUS-Schalter</b> (mit FS 908, als Hauptschalter lieferbar)	<b>EA</b> <b>ON-OFF-switch</b> (with FS 908, available as main switch)	<b>EA</b> Commutateur MARCHE-ARRET (avec FS 908, livrable comme interr. gén.)
<b>HP</b> Hilfsphasen-Schalter	<b>HP</b> Single-phase switch	<b>HP</b> Commutateur de phases auxiliaires
<b>MU</b> Meßgeräte-Umschalter	<b>MU</b> Selector switch	<b>MU</b> Commutateur de points de mesure
<b>PD</b> Polumschalter, Dahlander	<b>PD</b> Speed switch tapped windings	<b>PD</b> Commutateur de pôles, Dahlander
<b>PY</b> Polumschalter mit Y-Δ-Anlauf	<b>PY</b> Speed switch with Y-Δ- start	<b>PY</b> Commutateur de pôles, Y-Δ- start
<b>SE</b> Steuerschalter	<b>SE</b> Control switch	<b>SE</b> Commutateur de commande
<b>SH</b> Stufenschalter für Heizung	<b>SH</b> Step switch for heater	<b>SH</b> Commutateur à gradins pour chauffage
<b>SP</b> Spezialschalter	<b>SP</b> Special switch	<b>SP</b> Commutateur spéciaux
<b>ST</b> Steuer-Tastschalter	<b>ST</b> Control switch pulse with spring return	<b>ST</b> Commutateur de commande à retour automatique
<b>SU</b> Stufenschalter	<b>SU</b> Step switch	<b>SU</b> Commutateur à gradins
<b>SY</b> Synchronisier-Schalter	<b>SY</b> Synchronizing switch	<b>SY</b> Sélecteur de synchronisation
<b>UG</b> Gruppen-Umschalter	<b>UG</b> Group switch	<b>UG</b> Commutateur de Groupe
<b>UK</b> Kreuz-Umschalter	<b>UK</b> Intermediate switch	<b>UK</b> Commutateur - inverseur
<b>UP</b> Umschalter	<b>UP</b> Change over switch	<b>UP</b> Commutateur de sélection
<b>US</b> Serien-Umschalter	<b>US</b> Multi circuit switch	<b>US</b> Interrupteur de série
<b>UW</b> Wechsel-Umschalter	<b>UW</b> 2 way switch	<b>UW</b> Inverseur
<b>W</b> Wendeschalter	<b>W</b> Reversing switch	<b>W</b> Inverseur
<b>WS</b> Wende-Steuer- motoren-Schalter	<b>WS</b> Reversing switch for servo-motor	<b>WS</b> Inverseur pour servo-motor
<b>YD</b> Stern-Dreieck-Schalter	<b>YD</b> Star-delta switch	<b>YD</b> Commutateur étoile-triangle
<hr/>		
<b>FS-Pos.</b> = Anzahl der Positionen auf dem Frontschild	<b>FS-Pos.</b> = Number of Positions on the Front plate	<b>FS-Pos</b> = Nombre de positions sur le plastron
<b>Kontakte</b> = Anzahl der Kontakte des Schalters	<b>Contacts</b> = Number of contacts of the switch	<b>Contacts</b> = Nombre de Contacts du commutateur
<b>Bauformen</b>	<b>Mounting form</b>	<b>Modèles</b>
<b>+</b> lieferbare Bauform	<b>+</b> available mounting form	<b>+</b> modèle livrable
<b>-</b> nicht lieferbar	<b>-</b> not available	<b>-</b> non livrable
<b>O</b> Hauptschalter sind im Baustein-System möglich, werden jedoch nicht komplett ab Werk geliefert.	<b>O</b> Main switches are possible in modular systems, but cannot be supplied completely ex works	<b>O</b> les interrupteurs généraux sont possibles en système modulaire, mais ils ne sont pas livrés montés à partir de l'usine.
<hr/>		
Technische Änderungen vorbehalten	Subject to technical alterations	Sous réserve de modifications techniques
Für Druckfehler keine Haftung	No liability for printing errors	Nous déclinons toute responsabilité pour les fautes d'impression

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2		3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte		Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.						/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
1	T0-2-1	EA	2	3		+ + - + + + + -	+ - + +	1/04-34	2/04	
1	T3-2-1	EA	2	3		+ + - + - + + -	+ - + +	1/04-34	2/04	
1	T4A-2-1	EA	2	3		- - - - - - - -	- - - -			→ T5B-2-1
1	T41A-3-1	EA	2	6		- - - - - - - -	- - - -			→ T5-2-1
1	T44A-2-1	EA	2	4		- - - - - - - -	- - - -			→ T5B-2-1
1	T46A-3-1	EA	2	4		- - - - - - - -	- - - -			→ T5-2-1
1	T5B-2-1	EA	2	3		+ - + - - + + -	+ - + +		3/02	
1	T5-2-1	EA	2	3		+ - + - - + + -	+ - + +		3/02	
2	T0-3-2	W	3	5		+ + - + + + + -	- - - -	1/09-14	2/11	T0-3-8401
2	T3-3-2	W	3	5		+ + - + - + + -	- - - -	1/09-14	2/11	T3-3-8401
2	T4A-3-2	W	3	5		- - - - - - - -	- - - -			→ T5B-3-2
2	T5B-3-2	W	3	5		+ - + - - + + -	- - - -		3/11	
2	T5-3-2	W	3	5		+ - + - - + + -	- - - -		3/11	
3	T0-4-3	YD	3	8		+ + - + + + + -	- - - -	1/11-16	2/13	T0-4-8410
3	T3-4-3	YD	3	8		+ + - + - + + -	- - - -	1/11-16	2/13	T3-4-8410
3	T4A-4-3	YD	3	8		- - - - - - - -	- - - -			→ T5B-4-3
3	T5B-4-3	YD	3	8		+ - + - - + + -	- - - -		3/13,38	
3	T5-4-3	YD	3	8		+ - + - - + + -	- - - -		3/13,38	
4	T0-4-4	PD	3	8		+ + - + + + + -	- - - -	1/11-17	2/17	T0-4-8440
4	T3-4-4	PD	3	8		+ + - + - + + -	- - - -	1/11-17	2/17	T3-4-8440
4	T4A-4-4	PD	3	8		- - - - - - - -	- - - -			→ T5B-4-4
4	T5B-4-4	PD	3	8		+ - + - - + + -	- - - -		3/18	
4	T5-4-4	PD	3	8		+ - + - - + + -	- - - -		3/18	
5	T0-4-5	PD	3	8		+ + - + + + + -	- - - -	1/11-18	2/18	T0-4-8441
5	T3-4-5	PD	3	8		+ + - + - + + -	- - - -	1/11-18	2/18	T3-4-8441
5	T4A-4-5	PD	3	8		- - - - - - - -	- - - -			→ T5B-4-5
5	T5B-4-5	PD	3	8		+ - + - - + + -	- - - -		3/19	
5	T5-4-5	PD	3	8		+ - + - - + + -	- - - -		3/19	
6	T0-3-6	UP	3	6		+ + - + + + + -	- - - -	1/10-07	2/21	T0-3-8451
6	T3-3-6	UP	3	6		+ + - + - + + -	- - - -	1/10-07	2/21	T3-3-8451
6	T4A-3-6	UP	3	6		- - - - - - - -	- - - -			→ T5B-3-6
6	T5B-3-6	UP	3	6		+ - + - - + + -	- - - -		3/08,22	
6	T5-3-6	UP	3	6		+ - + - - + + -	- - - -		3/08,22	
7	T0-3-7	UP	3	6		+ + - + + + + -	- - - -	1/10-06	2/22	T0-3-8212
7	T3-3-7	UP	3	6		+ + - + - + + -	- - - -	1/10-06	2/22	T3-3-8212
7	T4A-3-7	UP	3	6		- - - - - - - -	- - - -			→ T5B-3-7
7	T5B-3-7	UP	3	6		+ - + - - + + -	- - - -		3/07,23	
7	T5-3-7	UP	3	6		+ - + - - + + -	- - - -		3/07,23	
8	T0-1-8	ST	3	2		+ + - + + + + -	- - - -	1/07-39	2/68	T0-1-15366
8	T3-1-8	ST	3	2		+ + - + - + + -	- - - -	1/07-39	2/68	T3-1-15366
8	T4A-1-8	ST	3	2		- - - - - - - -	- - - -			→ T5B-1-8
8	T5B-1-8	ST	3	2		+ - + - - + + -	- - - -		3/62	
8	T5-1-8	ST	3	2		+ - + - - + + -	- - - -		3/62	
9	T0-1-9	ST	3	2		+ + - + + + + -	- - - -	1/07-38	2/68	T0-1-8214
9	T3-1-9	ST	3	2		+ + - + - + + -	- - - -	1/07-38	2/68	T3-1-8214
10	T0-2-10	EA	2	4		+ + - + + + + -	+ - + +		2/04	T0-2-8293
10	T3-2-10	EA	2	4		+ + - + - + + -	+ - + +		2/04	T3-2-8293
10	T4A-2-10	EA	2	4		- - - - - - - -	- - - -			→ T5B-2-10
10	T5B-2-10	EA	2	4		+ - + - - + + -	+ - + +		3/02	
10	T5-2-10	EA	2	4		+ - + - - + + -	+ - + +		3/02	
11	T0-4-11	PD	2	8		+ + - + + + + -	- - - -	1/06-14	2/18	
11	T3-4-11	PD	2	8		+ + - + - + + -	- - - -	1/06-14	2/18	
11	T4A-4-11	PD	2	8		- - - - - - - -	- - - -			→ T5B-4-11
11	T5B-4-11	PD	2	8		+ - + - - + + -	- - - -		3/19	
11	T5-4-11	PD	2	8		+ - + - - + + -	- - - -		3/19	
12	T0-3-12	EA	2	6		+ + - + + + + -	+ - + +	1/05-32	2/04	T0-3-8342

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
12	T3-3-12	EA	2	6	+ + - + - + + -	+ - + +	1/05-32	2/04	T3-3-8342
12	T41A-3-12	EA	2	6	- - - - - - - -	- - - -			T5-3-8342
13	T0-6-13	EA	2	12	+ + - + + + - -	- - - -	1/06-26	2/05	T0-6-8348
13	T3-6-13	EA	2	12	+ + - + - + - -	- - - + +	1/06-26	2/05	T3-6-8348
13	T4A-7-13	YD	4	10	- - - - - - - -	- - - -			T5B-5-15892
14	T0-2-14	MU	4	4	+ + - + + + + -	- - - -	1/14-19	2/58	T0-2-15920
14	T3-2-14	MU	4	4	+ + - + + + + -	- - - -	1/14-19	2/58	T3-2-15920
15	T0-3-15	MU	5	5	+ + - + + + + -	- - - -	1/18-01	2/58	T0-3-8010
15	T3-3-15	MU	5	5	+ + - + - + + -	- - - -	1/18-01	2/58	T3-3-8010
16	T0-2-16	MU	4	4	+ + - + + + + -	- - - -	1/14-20	2/58	T0-2-15921
16	T3-2-16	MU	4	4	+ + - + - + + -	- - - -	1/14-20	2/58	T3-2-15921
17	T0-3-17	MU	5	5	+ + - + + + + -	- - - -	1/18-02	2/58	T0-3-8401
17	T3-3-17	MU	5	5	+ + - + - + + -	- - - -	1/18-02	2/58	T3-3-8401
18	T0-2-18	W	3	4	+ + - + + + + -	- - - -	1/08-43	2/11	T0-2-8400
18	T3-2-18	W	3	4	+ + - + - + + -	- - - -	1/08-43	2/11	T3-2-8400
18	T4A-2-18	W	3	4	- - - - - - - -	- - - -			T5B-2-18
18	T5B-2-18	W	3	4	+ - + - - + + -	- - - -		3/11	
18	T5-2-18	W	3	4	+ - + - - + + -	- - - +		3/11	
19	T0-3-19	MU	7	6	+ + - + + + + -	- - - -	1/21-01	2/59	T0-3-8007
19	T3-3-19	MU	7	6	+ + - + - + + -	- - - -	1/21-01	2/59	T3-3-8007
20	T0-3-20	W	3	6	+ + - + + + + -	- - - -	1/10-10	2/11	
20	T3-3-20	W	3	6	+ + - + - + + -	- - - -	1/10-10	2/11	
20	T4A-3-20	W	3	6	- - - - - - - -	- - - -			T5B-3-20
20	T5B-3-20	W	3	6	+ - + - - + + -	- - - -		3/11	
20	T5-3-20	W	3	6	+ - + - - + - +	- - - -		3/11	
21	T0-3-21	W	2	6	+ + - + + + + -	- - - -	1/06-02	2/12	
21	T3-3-21	W	2	6	+ + - + - + + -	- - - -	1/06-02	2/12	
21	T4A-3-21	W	2	6	- - - - - - - -	- - - -			T5B-3-21
21	T5B-3-21	W	2	6	+ - + - - + + -	- - - -		3/12	
21	T5-3-21	W	2	6	+ - + - - + + -	- - - +		3/12	
22	T0-4-22	EA	2	8	+ + - + + + + -	+ - + +	1/06-09	2/04	T0-4-8344
22	T3-4-22	EA	2	8	+ + - + - + + -	+ - + +	1/06-09	2/04	T3-4-8344
23	T0-2-23	W	3	4	- - - - - - - -	- - - -			T0-2-18
23	T3-2-23	W	3	4	- - - - - - - -	- - - -			T3-2-18
23	T4A-2-23	W	3	4	- - - - - - - -	- - - -			T5B-2-23
23	T5B-2-23	W	3	4	+ - + - - + + -	- - - -		3/11	
23	T5-2-23	W	3	4	+ - + - - + - +	- - - -		3/11	
24	T0-4-24	YD	3	7	+ + - + + + + -	- - - -	1/10-21	2/13	T0-4-8419
24	T3-4-24	YD	3	7	+ + - + - + + -	- - - -	1/10-21	2/13	T3-4-8419
24	T4A-4-24	YD	3	7	- - - - - - - -	- - - -			T5B-4-24
24	T5B-4-24	YD	3	7	+ - + - - + + -	- - - -		3/13	
24	T5-4-24	YD	3	7	+ - + - - + + -	- - - +		3/13	
25	T0-5-25	YD	3	9	+ + - + + + - -	- - - -	1/12-04	2/14	
25	T3-5-25	YD	3	9	+ + - + - + - -	- - - -	1/12-04	2/14	
25	T4A-5-25	YD	3	9	- - - - - - - -	- - - -			T5B-5-25
25	T5B-5-25	YD	3	9	+ - + - - + - -	- - - -		3/14	
25	T5-5-25	YD	3	9	+ - + - - + - -	- - - -		3/14	
29	T0-5-29	PD	3	10	+ + - + + + - -	- - - -	1/12-18	2/17	T0-5-8444
29	T3-5-29	PD	3	10	+ + - + - + - -	- - - -	1/12-18	2/17	T3-5-8444
29	T4A-5-29	PD	3	10	- - - - - - - -	- - - -			T5B-5-29
29	T5B-5-29	PD	3	10	+ - + - - + - -	- - - -		3/18	
29	T5-5-29	PD	3	10	+ - + - - + - -	- - - -		3/18	
30	T0-5-30	PD	3	9	+ + - + + + - -	- - - -	1/12-06	2/17	
30	T3-5-30	PD	3	9	+ + - + - + - -	- - - -	1/12-06	2/17	
30	T4A-5-30	PD	3	9	- - - - - - - -	- - - -			T5B-5-30
30	T5B-5-30	PD	3	9	+ - + - - + - -	- - - -		3/18	
30	T5-5-30	PD	3	9	+ - + - - + - -	- - - -		3/18	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10										
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif					
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
31	T0-5-31	PD	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-09	2/17	
31	T3-5-31	PD	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-09	2/17	
31	T4A-5-31	PD	3	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-31
31	T5B-5-31	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/18	
31	T5-5-31	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/18	
32	T0-5-32	PD	3	10	+	+	-	+	+	+	-	-	-	-	-	-	1/12-20	2/18	
32	T3-5-32	PD	3	10	+	+	-	+	-	+	-	-	-	-	-	-	1/12-20	2/18	
32	T4A-5-32	PD	3	10	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-32
32	T5B-5-32	PD	3	10	+	-	+	-	-	+	-	-	-	-	-	-		3/19	
32	T5-5-32	PD	3	10	+	-	+	-	-	+	-	-	-	-	-	-		3/19	
33	T0-5-33	PD	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-07	2/18	
33	T3-5-33	PD	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-07	2/18	
33	T4A-5-33	PD	3	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-33
33	T5B-5-33	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19	
33	T5-5-33	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19	
34	T0-1-34	UW	2	2	+	+	-	+	+	+	+	-	-	-	-	-		2/07	T0-1-8220
34	T3-1-34	UW	2	2	+	+	-	+	-	+	+	-	-	-	-	-		2/07	T3-1-8220
34	T4A-1-34	UW	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-34
34	T5B-1-34	UW	2	2	+	-	+	-	-	+	+	-	-	-	-	-		3/06	
34	T5-1-34	UW	2	2	+	-	+	-	-	+	-	+	-	-	-	-		3/06	
35	T0-2-35	UP	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-45	2/21	T0-2-8260
35	T3-2-35	UP	3	4	+	+	-	+	-	+	+	-	-	-	-	-	1/08-45	2/21	T3-2-8260
35	T4A-2-35	UP	3	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-35
35	T5B-2-35	UP	3	4	+	-	+	-	-	+	+	-	-	-	-	-		3/08,22	
35	T5-2-35	UP	3	4	+	-	+	-	-	+	-	+	-	-	-	-		3/08,22	
36	T0-3-36	UP	3	5	+	+	-	+	+	+	+	-	-	-	-	-	1/09-17	2/21	
36	T3-3-36	UP	3	5	+	+	-	+	-	+	+	-	-	-	-	-	1/09-17	2/21	
36	T4A-3-36	UP	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-36
36	T5B-3-36	UP	3	5	+	-	+	-	-	+	+	-	-	-	-	-		3/0922	
36	T5-3-36	UP	3	5	+	-	+	-	-	+	-	+	-	-	-	-		3/0922	
37	T0-2-37	UP	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-42	2/21	T0-2-8211
37	T3-2-37	UP	3	4	+	+	-	+	-	+	+	-	-	-	-	-	1/08-42	2/21	T3-2-8211
37	T4A-2-37	UP	3	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-37
37	T5B-2-37	UP	3	4	+	-	+	-	-	+	+	-	-	-	-	-		3/07,22	
37	T5-2-37	UP	3	4	+	-	+	-	-	+	-	+	-	-	-	-		3/07,22	
38	T0-3-38	UP	3	5	+	+	-	+	+	+	+	-	-	-	-	-	1/09-16	2/21	
38	T3-3-38	UP	3	5	+	+	-	+	-	+	+	-	-	-	-	-	1/09-16	2/21	
38	T4A-3-38	UP	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-38
38	T5B-3-38	UP	3	5	+	-	+	-	-	+	+	-	-	-	-	-		3/09,22	
38	T5-3-38	UP	3	5	+	-	+	-	-	+	-	+	-	-	-	-		3/09,22	
39	T0-2-39	UP	2	4	+	+	-	+	+	+	+	-	-	-	-	-		2/21	T0-2-8221
39	T3-2-39	UP	2	4	+	+	-	+	-	+	+	-	-	-	-	-		2/21	T3-2-8221
39	T4A-2-39	UP	2	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-39
39	T5B-2-39	UP	2	4	+	-	+	-	-	+	+	-	-	-	-	-		3/06,22	
39	T5-2-39	UP	2	4	+	-	+	-	-	+	-	+	-	-	-	-		3/06,22	
41	T0-4-41	UG	3	8	+	+	-	+	+	+	+	-	-	-	-	-	1/11-15	2/10	
41	T3-4-41	UG	3	8	+	+	-	+	-	+	+	-	-	-	-	-	1/11-15	2/10	
41	T4A-4-41	UG	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-41
41	T5B-4-41	UG	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/10	
41	T5-4-41	UG	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/10	
43	T0-6-43	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T0-3-50
43	T3-6-43	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T3-3-50
43	T41A-6-43	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T5-3-50
44	T0-6-44	EA	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T0-3-7
44	T3-6-44	EA	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T3-3-7
44	T41A-6-44	EA	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T5-3-7
45	T0-4-45	UP	2	7	+	+	-	+	+	+	+	-	-	-	-	-	1/06-06	2/22	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.				Con- tacts	/E /EZ /X /XZ /VS /Z /I /CI19	/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
45	T3-4-45	UP	2	7	+ + - + - + -	- - - - -	1/06-06	2/22	
45	T4A-4-45	UP	2	7	- - - - -	- - - - -			T5B-4-45
45	T5B-4-45	UP	2	7	+ - + - - + + -	- - - - -		3/23	
45	T5-4-45	UP	2	7	+ - + - - + + -	- - - - -		3/23	
46	T0-4-46	UP	3	8	+ + - + + + + -	- - - - -	1/11-20	2/21	
46	T3-4-46	UP	3	8	+ + - + - + + -	- - - - -	1/11-20	2/21	
46	T4A-4-46	UP	3	8	- - - - -	- - - - -			T5B-4-46
46	T5B-4-46	UP	3	8	+ - + - - + + -	- - - - -		3/10,22	
46	T5-4-46	UP	3	8	+ - + - - + + -	- - - - -		3/10,22	
47	T0-4-47	UP	3	7	+ + - + + + + -	- - - - -	1/10-26	2/21	
47	T3-4-47	UP	3	7	+ + - + - + + -	- - - - -	1/10-26	2/21	
47	T4A-4-47	UP	3	7	- - - - -	- - - - -			T5B-4-47
47	T5B-4-47	UP	3	7	+ - + - - + + -	- - - - -		3/09,22	
47	T5-4-47	UP	3	7	+ - + - - + + -	- - - - -		3/09,22	
48	T0-4-48	UP	3	7	+ + - + + + + -	- - - - -	1/10-23	2/22	
48	T3-4-48	UP	3	7	+ + - + - + + -	- - - - -	1/10-23	2/22	
48	T4A-4-48	UP	3	7	- - - - -	- - - - -			T5B-4-48
48	T5B-4-48	UP	3	7	+ - + - - + + -	- - - - -		3/09,23	
48	T5-4-48	UP	3	7	+ - + - - + + -	- - - - -		3/09,23	
49	T0-4-49	UP	3	8	+ + - + + + + -	- - - - -	1/11-19	2/22	
49	T3-4-49	UP	3	8	+ + - + - + + -	- - - - -	1/11-19	2/22	
49	T4A-4-49	UP	3	8	- - - - -	- - - - -			T5B-4-49
49	T5B-4-49	UP	3	8	+ - + - - + + -	- - - - -		3/10,23	
49	T5-4-49	UP	3	8	+ - + - - + + -	- - - - -		3/10,23	
50	T0-3-50	UP	2	6	+ + - + + + + -	- - - - -		2/22	T0-3-8222
50	T3-3-50	UP	2	6	+ + - + - + + -	- - - - -		2/22	T3-3-8222
50	T4A-3-50	UP	2	6	- - - - -	- - - - -			T5B-3-50
50	T5B-3-50	UP	2	6	+ - + - - + + -	- - - - -		3/06,23	
50	T5-3-50	UP	2	6	+ - + - - + + -	- - - - -		3/06,23	
55	T0-2-55	EA	2	4	+ + - + + + + -	- - - - -			T0-2-113
55	T3-2-55	EA	2	4	+ + - + - + + -	- - - - -			T3-2-113
55	T4A-2-55	EA	2	4	- - - - -	- - - - -			T5B-2-55
55	T5B-2-55	EA	2	4	+ - + - - + + -	+ - + + +			
55	T5-2-55	EA	2	4	+ - + - - + + -	+ - + + +			
56	T0-2-56	EA	2	4	+ + - + + + + -	+ - + + +			T0-2-8324
56	T3-2-56	EA	2	4	+ + - + - + + -	+ - + + +			T3-2-8324
56	T4A-2-56	EA	2	4	- - - - -	- - - - -			T5B-2-56
56	T5B-2-56	EA	2	4	+ - + - - + + -	+ - + + +			
56	T5-2-56	EA	2	4	+ - + - - + + -	+ - + + +			
65	T0-4-65	PD	3	8	+ + - + + + + -	- - - - -	1/11-22	2/18	T0-4-8441
65	T3-4-65	PD	3	8	+ + - + - + + -	- - - - -	1/11-22	2/18	T3-4-8441
65	T4A-4-65	PD	3	8	- - - - -	- - - - -			T5B-4-65
65	T5B-4-65	PD	3	8	+ - + - - + + -	- - - - -		3/19	
65	T5-4-65	PD	3	8	+ - + - - + + -	- - - - -		3/19	
66	T0-6-66	PD	5	12	+ + - + + + -	- - - - -	1/19-02	2/20	T0-6-15866
66	T3-6-66	PD	5	12	+ + - + - + -	- - - - -	1/19-02	2/20	T3-6-15866
66	T4A-7-66	PD	5	12	- - - - -	- - - - -			T5B-7-66
66	T5B-7-66	PD	5	12	+ - + - - + -	- - - - -		3/21	
66	T5-7-66	PD	5	12	+ - + - - + -	- - - - -		3/21	
67	T0-7-67	PD	5	14	+ + - + + + -	- - - - -	1/19-10	2/20	T0-7-15867
67	T3-7-67	PD	5	14	+ + - + - + -	- - - - -	1/19-10	2/20	T3-7-15867
67	T4A-9-67	PD	5	14	- - - - -	- - - - -			T5B-9-67
67	T5B-9-67	PD	5	14	+ - + - - + -	- - - - -		3/21	
67	T5-9-67	PD	5	14	+ - + - - + -	- - - - -		3/21	
68	T0-7-68	PD	5	13	+ + - + + + -	- - - - -	1/19-07	2/20	
68	T3-7-68	PD	5	13	+ + - + - + -	- - - - -	1/19-07	2/20	
68	T4A-7-68	PD	5	13	- - - - -	- - - - -			T5B-7-68

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10										
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage					Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif				
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
68	T5B-7-68	PD	5	13	+	-	+	-	-	+	-	-	-	-	-	-		3/21	
68	T5-7-68	PD	5	13	+	-	+	-	-	+	-	-	-	-	-	-		3/21	
69	T0-7-69	PD	5	13	+	+	-	+	+	+	-	-	-	-	-	-	1/19-08	2/20	
69	T3-7-69	PD	5	13	+	+	-	+	-	+	-	-	-	-	-	-	1/19-08	2/20	
69	T4A-7-69	PD	5	13	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-69
69	T5B-7-69	PD	5	13	+	-	+	-	-	+	-	-	-	-	-	-		3/21	
69	T5-7-69	PD	5	13	+	-	+	-	-	+	-	-	-	-	-	-		3/21	
71	T0-5-71	UP	5	10	+	+	-	+	+	+	-	-	-	-	-	-	1/18-19	2/23	T0-5-8453
71	T3-5-71	UP	5	10	+	+	-	+	-	+	-	-	-	-	-	-	1/18-19	2/23	T3-5-8453
71	T4A-6-71	UP	5	10	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-71
71	T5B-6-71	UP	5	10	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
71	T5-6-71	UP	5	10	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
72	T0-6-72	UP	5	12	+	+	-	+	+	+	-	-	-	-	-	-	1/19-06	2/23	
72	T3-6-72	UP	5	12	+	+	-	+	-	+	-	-	-	-	-	-	1/19-06	2/23	
72	T4A-8-72	UP	5	12	-	-	-	-	-	-	-	-	-	-	-	-			T5B-8-72
72	T5B-8-72	UP	5	12	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
72	T5-8-72	UP	5	12	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
73	T0-6-73	UP	5	11	+	+	-	+	+	+	-	-	-	-	-	-	1/18-24	2/23	
73	T3-6-73	UP	5	11	+	+	-	+	-	+	-	-	-	-	-	-	1/18-24	2/23	
73	T4A-6-73	UP	5	11	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-73
73	T5B-6-73	UP	5	11	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
73	T5-6-73	UP	5	11	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
74	T0-6-74	UP	5	11	+	+	-	+	+	+	-	-	-	-	-	-	1/18-25	2/23	
74	T3-6-74	UP	5	11	+	+	-	+	-	+	-	-	-	-	-	-	1/18-25	2/23	
74	T4A-6-74	UP	5	11	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-74
74	T5B-6-74	UP	5	11	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
74	T5-6-74	UP	5	11	+	-	+	-	-	+	-	-	-	-	-	-		3/24	
76	T0-2-76	HP	3	3	+	+	-	+	+	+	-	-	-	-	-	-	1/08-09	2/32	
76	T3-2-76	HP	3	3	+	+	-	+	-	+	-	-	-	-	-	-	1/08-09	2/32	
76	T4A-2-76	HP	3	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-76
76	T5B-2-76	HP	3	3	+	-	+	-	-	+	+	-	-	-	-	-		3/35	
76	T5-2-76	HP	3	3	+	-	+	-	-	+	-	+	-	-	-	-		3/35	
78	T0-1-78	UG	3	2	+	+	-	+	+	+	-	-	-	-	-	-	1/07-18	2/72	T0-1-15421
78	T3-1-78	UG	3	2	+	+	-	+	-	+	-	-	-	-	-	-	1/07-18	2/72	T3-1-15421
78	T4A-1-78	UG	3	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-78
78	T5B-1-78	UG	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/64	
78	T5-1-78	UG	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/64	
79	T0-1-79	ST	2	2	+	+	-	+	+	+	-	-	-	-	-	-		2/70	T0-1-15521
79	T3-1-79	ST	2	2	+	+	-	+	-	+	-	-	-	-	-	-		2/70	T3-1-15521
80	T0-3-80	US	3	6	+	+	-	+	+	+	-	-	-	-	-	-	1/10-12	2/31	T0-3-8314
80	T3-3-80	US	3	6	+	+	-	+	-	+	-	-	-	-	-	-	1/10-12	2/31	T3-3-8314
80	T4A-3-80	US	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-80
80	T5B-3-80	US	3	6	+	-	+	-	-	+	+	-	-	-	-	-		3/34	
80	T5-3-80	US	3	6	+	-	+	-	-	+	-	+	-	-	-	-		3/34	
81	T0-4-81	US	3	8	+	+	-	+	+	+	-	-	-	-	-	-	1/11-23	2/31	
81	T3-4-81	US	3	8	+	+	-	+	-	+	-	-	-	-	-	-	1/11-23	2/31	
81	T4A-4-81	US	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-81
81	T5B-4-81	US	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/34	
81	T5-4-81	US	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/34	
82	T0-4-82	US	3	7	+	+	-	+	+	+	-	-	-	-	-	-	1/10-24	2/31	
82	T3-4-82	US	3	7	+	+	-	+	-	+	-	-	-	-	-	-	1/10-24	2/31	
82	T4A-4-82	US	3	7	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-82
82	T5B-4-82	US	3	7	+	-	+	-	-	+	+	-	-	-	-	-		3/34	
82	T5-4-82	US	3	7	+	-	+	-	-	+	-	+	-	-	-	-		3/34	
83	T0-3-83	US	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T0-3-8314
83	T3-3-83	US	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T3-3-8314
84	T0-4-84	US	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T0-4-81

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6							7				8	9	10	
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage							Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif	
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/C19	/I/SVB	/C19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
84	T3-4-84	US	3	8	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-4-81
85	T0-4-85	US	3	7	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-4-82
85	T3-4-85	US	3	7	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-4-82
86	T0-4-86	UG	3	8	+	+	-	+	+	+	+	-	-	-	-	-	1/11-24	2/08	T0-4-8480
86	T3-4-86	UG	3	8	+	+	-	+	-	+	+	-	-	-	-	-	1/11-24	2/08	T3-4-8480
86	T4A-4-86	UG	3	8	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-4-86
86	T5B-4-86	UG	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/08	
86	T5-4-86	UG	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/08	
87	T0-5-87	UG	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-11	2/09	
87	T3-5-87	UG	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-11	2/09	
87	T4A-5-87	UG	3	9	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-5-87
87	T5B-5-87	UG	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/09	
87	T5-5-87	UG	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/09	
88	T0-4-88	UG	3	8	+	+	-	+	+	+	+	-	-	-	-	-	1/11-14	2/08	T0-4-8213
88	T3-4-88	UG	3	8	+	+	-	+	-	+	+	-	-	-	-	-	1/11-14	2/08	T3-4-8213
88	T4A-4-88	UG	3	8	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-4-88
88	T5B-4-88	UG	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/07	
88	T5-4-88	UG	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/07	
89	T0-5-89	UG	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-10	2/09	
89	T3-5-89	UG	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-10	2/09	
89	T4A-5-89	UG	3	9	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-5-89
89	T5B-5-89	UG	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/09	
89	T5-5-89	UG	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/09	
90	T0-4-90	UW	2	8	+	+	-	+	+	+	+	-	-	-	-	-			T0-4-8223
90	T3-4-90	UW	2	8	+	+	-	+	-	+	+	-	-	-	-	-			T3-4-8223
90	T4A-4-90	UW	2	8	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-4-90
90	T41A-8-90	UW	2	8	-	-	-	-	-	-	-	-	-	-	-	-	→		T5-4-90
90	T5B-4-90	UW	2	8	+	-	+	-	-	+	+	-	-	-	-	-		3/06	
90	T5-4-90	UW	2	8	+	-	+	-	-	+	-	+	-	-	-	-		3/06	
91	T0-1-91	US	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-09	2/35	
91	T3-1-91	US	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-09	2/35	
91	T4A-1-91	US	3	2	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-1-91
91	T5B-1-91	US	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
91	T5-1-91	US	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
92	T0-2-92	SH	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-32	2/35	
92	T3-2-92	SH	4	3	+	+	-	+	-	+	+	-	-	-	-	-	1/13-32	2/35	
92	T4A-2-92	SH	4	3	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-2-92
92	T5B-2-92	SH	4	3	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
92	T5-2-92	SH	4	3	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
93	T0-1-93	US	4	2	+	+	-	+	+	+	+	-	-	-	-	-	1/13-17	2/35	T0-1-15110
93	T3-1-93	US	4	2	+	+	-	+	-	+	+	-	-	-	-	-	1/13-17	2/35	T3-1-15110
93	T4A-1-93	US	4	2	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-1-93
93	T5B-1-93	US	4	2	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
93	T5-1-93	US	4	2	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
94	T0-2-94	SH	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-08	2/35	
94	T3-2-94	SH	3	3	+	+	-	+	-	+	+	-	-	-	-	-	1/08-08	2/35	
94	T4A-2-94	SH	3	3	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-2-94
94	T5B-2-94	SH	3	3	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
94	T5-2-94	SH	3	3	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
95	T0-2-95	SH	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-16	2/35	
95	T3-2-95	SH	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-16	2/35	
95	T4A-2-95	SH	4	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-2-95
95	T5B-2-95	SH	4	4	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
95	T5-2-95	SH	4	4	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
96	T0-2-96	US	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-33	2/35	T0-2-15114
96	T3-2-96	US	4	3	+	+	-	+	-	+	+	-	-	-	-	-	1/13-33	2/35	T3-2-15114
96	T4A-2-96	US	4	3	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-2-96

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10										
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif					
Nr. No. No.				Contacts	/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
96	T5B-2-96	US	4	3	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
96	T5-2-96	US	4	3	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
97	T0-1-97	SE	2	2	+	+	-	+	+	+	+	-	-	-	-	-	2/73	2/73	T0-1-8220
97	T3-1-97	SE	2	2	+	+	-	+	-	+	+	-	-	-	-	-	2/73	2/73	T3-1-8220
97	T4A-1-97	SE	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-97
97	T5B-1-97	SE	2	2	+	-	+	-	-	+	+	-	-	-	-	-		3/64	
97	T5-1-97	SE	2	2	+	-	+	-	-	+	-	+	-	-	-	-		3/64	
98	T0-1-98	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-28	2/69	T0-1-15511
98	T3-1-98	ST	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-28	2/69	T3-1-15511
98	T4A-1-98	ST	3	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-98
98	T5B-1-98	ST	3	2	+	-	+	-	-	+	+	-	-	-	-	-			
98	T5-1-98	ST	3	2	+	-	+	-	-	+	-	+	-	-	-	-			
99	T0-2-99	ST	5	4	+	+	-	+	+	+	+	-	-	-	-	-	1/17-27	2/69	T0-2-8177
99	T3-2-99	ST	5	4	+	+	-	+	-	+	+	-	-	-	-	-	1/17-27	2/69	T3-2-8177
102	T0-1-102	EA	2	2	+	+	-	+	+	+	+	-	+	-	+	+	1/04-13	2/04	
102	T3-1-102	EA	2	2	+	+	-	+	-	+	+	-	+	-	+	+	1/04-13	2/04	
102	T4A-1-102	EA	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-102
102	T5B-1-102	EA	2	2	+	-	+	-	-	+	+	-	+	-	+	+		3/02	
102	T5-1-102	EA	2	2	+	-	+	-	-	+	-	+	-	+	+	+		3/02	
103	T0-6-103	PD	4	11	+	+	-	+	+	+	-	-	-	-	-	-	1/16-06	2/19	
103	T3-6-103	PD	4	11	+	+	-	+	-	+	-	-	-	-	-	-	1/16-06	2/19	
103	T4A-6-103	PD	4	11	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-103
103	T5B-6-103	PD	4	11	+	-	+	-	-	+	-	-	-	-	-	-		3/20	
103	T5-6-103	PD	4	11	+	-	+	-	-	+	-	-	-	-	-	-		3/20	
104	T0-6-104	PD	4	12	+	+	-	+	+	+	-	-	-	-	-	-	1/16-30	2/19	
104	T3-6-104	PD	4	12	+	+	-	+	-	+	-	-	-	-	-	-	1/16-30	2/19	
104	T4A-6-104	PD	4	12	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-104
104	T5B-6-104	PD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/20	
104	T5-6-104	PD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/20	
106	T0-4-106	UP	3	7	+	+	-	+	+	+	+	-	-	-	-	-	1/10-27	2/22	
106	T3-4-106	UP	3	7	+	+	-	+	-	+	+	-	-	-	-	-	1/10-27	2/22	
106	T4A-4-106	UP	3	7	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-106
106	T5B-4-106	UP	3	7	+	-	+	-	-	+	+	-	-	-	-	-		3/10,23	
106	T5-4-106	UP	3	7	+	-	+	-	-	+	-	+	-	-	-	-		3/10,23	
113	T0-2-113	EA	2	4	+	+	-	+	+	+	+	-	+	-	+	+	1/05-06	2/04	T0-3-15680
113	T3-2-113	EA	2	4	+	+	-	+	-	+	+	-	+	-	+	+	1/05-06	2/04	T3-3-15680
113	T4A-2-113	EA	2	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-113
113	T5B-2-113	EA	2	4	+	-	+	-	-	+	+	-	+	-	+	+		3/03	
113	T5-2-113	EA	2	4	+	-	+	-	-	+	-	+	-	+	+	+		3/03	
114	T0-3-114	W	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T0-3-2
114	T3-3-114	W	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T3-3-2
114	T4A-3-114	W	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-2
115	T0-3-115	W	2	5	+	+	-	+	+	+	+	-	-	-	-	-	1/05-25	2/12	
115	T3-3-115	W	2	5	+	+	-	+	-	+	+	-	-	-	-	-	1/05-25	2/12	
115	T4A-3-115	W	2	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-115
115	T5B-3-115	W	2	5	+	-	+	-	-	+	+	-	-	-	-	-		3/12	
115	T5-3-115	W	2	5	+	-	+	-	-	+	-	+	-	-	-	-		3/12	
116	T4A-3-116	EA	2	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-1+UV-P3
117	T4A-2-117	EA	2	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-1
118	T0-4-118	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T0-3-8342
118	T3-4-118	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T3-3-8342
118	T4A-4-118	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-8342
119	T0-5-119	PD	2	9	+	+	-	+	+	+	-	-	-	-	-	-	1/06-20	2/18	
119	T3-5-119	PD	2	9	+	+	-	+	-	+	-	-	-	-	-	-	1/06-20	2/18	
119	T4A-5-119	PD	2	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-119
119	T5B-5-119	PD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19	
119	T5-5-119	PD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6								7				8		9		10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Contacts	Bauformen Mounting form Type de montage								Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif		
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page			
120	T0-9-120	EA	3	8	-	-	-	-	-	-	-	-	-	-	-	-					
120	T3-9-120	EA	3	8	-	-	-	-	-	-	-	-	-	-	-	-					
120	T41A-8-120	EA	3	8	-	-	-	-	-	-	-	-	-	-	-	-					
123	T0-3-123	W	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-09	2/12			
123	T3-3-123	W	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-09	2/12			
123	T4A-3-123	W	3	6	-	-	-	-	-	-	-	-	-	-	-	-					T5B-3-123
123	T5B-3-123	W	3	6	+	-	+	-	-	+	+	-	-	-	-	-		3/12			
123	T5-3-123	W	3	6	+	-	+	-	-	+	-	+	-	-	-	-		3/12			
124	T0-5-124	PD	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-05	2/18			
124	T3-5-124	PD	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-05	2/18			
124	T4A-5-124	PD	3	9	-	-	-	-	-	-	-	-	-	-	-	-					T5B-5-124
124	T5B-5-124	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19			
124	T5-5-124	PD	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/19			
126	T0-6-126	YD	3	11	+	+	-	+	+	+	-	-	-	-	-	-	1/12-22	2/14			
126	T3-6-126	YD	3	11	+	+	-	+	-	+	-	-	-	-	-	-	1/12-22	2/14			
126	T4A-6-126	YD	3	11	+	-	-	-	-	-	-	-	-	-	-	-					T5B-6-126
126	T5B-6-126	YD	3	11	+	-	+	-	-	+	-	-	-	-	-	-		3/14			
126	T5-6-126	YD	3	11	+	-	+	-	-	+	-	-	-	-	-	-		3/14			
130	T0-3-130	EA	2	6	+	+	-	+	+	+	+	-	+	-	+	+	1/05-37				T0-3-15680
130	T3-3-130	EA	2	6	+	+	-	+	-	+	+	-	+	-	+	+	1/05-37				T3-3-15680
130	T4A-3-130	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-					T5B-3-130
130	T5B-3-130	EA	2	6	+	-	+	-	-	+	+	-	+	-	+	+		3/03			
130	T5-3-130	EA	2	6	+	-	+	-	-	+	-	+	-	+	+	+		3/03			
131	T0-4-131	W	3	7	+	+	-	+	+	+	+	-	-	-	-	-	1/10-22	2/11			
131	T3-4-131	W	3	7	+	+	-	+	-	+	+	-	-	-	-	-	1/10-22	2/11			
131	T4A-4-131	W	3	7	-	-	-	-	-	-	-	-	-	-	-	-					T5B-4-131
131	T5B-4-131	W	3	7	+	-	+	-	-	+	+	-	-	-	-	-		3/11			
131	T5-4-131	W	3	7	+	-	+	-	-	+	-	+	-	-	-	-		3/11			
132	T0-7-132	UP	4	13	+	+	-	+	+	+	-	-	-	-	-	-	1/17-11	2/25			
132	T3-7-132	UP	4	13	+	+	-	+	-	+	-	-	-	-	-	-	1/17-11	2/25			
132	T4A-7-132	UP	4	13	-	-	-	-	-	-	-	-	-	-	-	-					T5B-7-132
132	T5B-7-132	UP	4	13	+	-	+	-	-	+	-	-	-	-	-	-		3/26			
132	T5-7-132	UP	4	13	+	-	+	-	-	+	-	-	-	-	-	-		3/26			
133	T0-4-133	YD	2	8	+	+	-	+	+	+	+	-	-	-	-	-	1/06-15	2/14			
133	T3-4-133	YD	2	8	+	+	-	+	-	+	+	-	-	-	-	-	1/06-15	2/14			
133	T4A-4-133	YD	2	8	-	-	-	-	-	-	-	-	-	-	-	-					T5B-4-133
133	T5B-4-133	YD	2	8	+	-	+	-	-	+	+	-	-	-	-	-		3/15			
133	T5-4-133	YD	2	8	+	-	+	-	-	+	-	+	-	-	-	-		3/15			
134	T0-5-134	YD	2	9	+	+	-	+	+	+	-	-	-	-	-	-	1/06-21	2/14			
134	T3-5-134	YD	2	9	+	+	-	+	-	+	-	-	-	-	-	-	1/06-21	2/14			
134	T4A-5-134	YD	2	9	-	-	-	-	-	-	-	-	-	-	-	-					T5B-5-134
134	T5B-5-134	YD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/15			
134	T5-5-134	YD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/15			
135	T0-4-135	UP	3	7	+	+	-	+	+	+	+	-	-	-	-	-	1/10-28	2/21			
135	T3-4-135	UP	3	7	+	+	-	+	-	+	+	-	-	-	-	-	1/10-28	2/21			
135	T4A-4-135	UP	3	7	-	-	-	-	-	-	-	-	-	-	-	-					T5B-4-135
135	T5B-4-135	UP	3	7	+	-	+	-	-	+	+	-	-	-	-	-		3/10,22			
135	T5-4-135	UP	3	7	+	-	+	-	-	+	-	+	-	-	-	-		3/10,22			
136	T0-3-136	MU	4	6	+	+	-	+	+	+	+	-	-	-	-	-	1/15-04	2/61			T0-3-8048
136	T3-3-136	MU	4	6	+	+	-	+	-	+	+	-	-	-	-	-	1/15-04	2/61			T3-3-8048
137	T0-8-137	UP	5	16	+	+	-	+	+	+	-	-	-	-	-	-	1/19-17	2/31			
137	T3-8-137	UP	5	16	+	+	-	+	-	+	-	-	-	-	-	-	1/19-17	2/31			
137	T4A-10-137	UP	5	16	-	-	-	-	-	-	-	-	-	-	-	-					T5B-10-137
137	T5B-10-137	UP	5	16	+	-	+	-	-	+	-	-	-	-	-	-		3/33			
137	T5-10-137	UP	5	16	+	-	+	-	-	+	-	-	-	-	-	-		3/33			
140	T0-1-140	SU	2	1	+	+	-	+	+	+	+	-	-	-	-	-	1/04-04	2/37			
140	T3-1-140	SU	2	1	+	+	-	+	-	+	+	-	-	-	-	-	1/04-04	2/37			

# Standardschaltungen Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10											
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage							Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif			
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page		
140	T4A-1-140	SU	2	1	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-140	
140	T5B-1-140	SU	2	1	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
140	T5-1-140	SU	2	1	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
141	T0-1-141	SU	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-16	2/37	T0-1-8240	
141	T3-1-141	SU	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-16	2/37	T3-1-8240	
141	T4A-1-141	SU	3	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-141	
141	T5B-1-141	SU	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
141	T5-1-141	SU	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
142	T0-2-142	SU	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-31	2/37	T0-2-8241	
142	T3-2-142	SU	4	3	+	+	-	+	-	+	+	-	-	-	-	-	1/13-31	2/37	T3-2-8241	
142	T4A-2-142	SU	4	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-142	
142	T5B-2-142	SU	4	3	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
142	T5-2-142	SU	4	3	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
143	T0-2-143	SU	5	4	+	+	-	+	+	+	+	-	-	-	-	-	1/17-24	2/37	T0-2-8242	
143	T3-2-143	SU	5	4	+	+	-	+	-	+	+	-	-	-	-	-	1/17-24	2/37	T3-2-8242	
143	T4A-2-143	SU	5	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-143	
143	T5B-3-143	SU	5	4	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
143	T5-3-143	SU	5	4	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
144	T0-3-144	SU	6	5	+	+	-	+	+	+	+	-	-	-	-	-	1/19-22	2/37	T0-3-8243	
144	T3-3-144	SU	6	5	+	+	-	+	-	+	+	-	-	-	-	-	1/19-22	2/37	T3-3-8243	
144	T4A-3-144	SU	6	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-144	
144	T5B-3-144	SU	6	5	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
144	T5-3-144	SU	6	5	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
145	T0-3-145	SU	7	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-26	2/37	T0-3-8244	
145	T3-3-145	SU	7	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-26	2/37	T3-3-8244	
145	T4A-4-145	SU	7	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-145	
145	T5B-4-145	SU	7	6	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
145	T5-4-145	SU	7	6	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
146	T0-4-146	SU	8	7	+	+	-	+	+	+	+	-	-	-	-	-	1/21-21	2/37	T0-4-8245	
146	T3-4-146	SU	8	7	+	+	-	+	-	+	+	-	-	-	-	-	1/21-21	2/37	T3-4-8245	
146	T4A-4-146	SU	8	7	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-146	
146	T5B-4-146	SU	8	7	+	-	+	-	-	+	+	-	-	-	-	-		3/39		
146	T5-4-146	SU	8	7	+	-	+	-	-	+	-	+	-	-	-	-		3/39		
147	T0-1-147	SU	2	2	+	+	-	+	+	+	+	-	-	-	-	-		2/39	T0-1-8220	
147	T3-1-147	SU	2	2	+	+	-	+	-	+	+	-	-	-	-	-		2/39	T3-1-8220	
147	T4A-1-147	SU	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-147	
147	T5B-1-147	SU	2	2	+	-	+	-	-	+	+	-	-	-	-	-		3/41		
147	T5-1-147	SU	2	2	+	-	+	-	-	+	-	+	-	-	-	-		3/41		
148	T0-2-148	SU	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-05	2/39	T0-2-8230	
148	T3-2-148	SU	3	3	+	+	-	+	-	+	+	-	-	-	-	-	1/08-05	2/39	T3-2-8230	
148	T4A-2-148	SU	3	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-148	
148	T5B-2-148	SU	3	3	+	-	+	-	-	+	+	-	-	-	-	-		3/41		
148	T5-2-148	SU	3	3	+	-	+	-	-	+	-	+	-	-	-	-		3/41		
149	T0-2-149	SU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-15	2/39	T0-2-8231	
149	T3-2-149	SU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-15	2/39	T3-2-8231	
149	T4A-2-149	SU	4	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-149	
149	T5B-2-149	SU	4	4	+	-	+	-	-	+	+	-	-	-	-	-		3/41		
149	T5-2-149	SU	4	4	+	-	+	-	-	+	-	+	-	-	-	-		3/41		
150	T0-3-150	SU	5	5	+	+	-	+	+	+	+	-	-	-	-	-	1/17-31	2/39	T0-3-8232	
150	T3-3-150	SU	5	5	+	+	-	+	-	+	+	-	-	-	-	-	1/17-31	2/39	T3-3-8232	
150	T4A-3-150	SU	5	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-150	
150	T5B-3-150	SU	5	5	+	-	+	-	-	+	+	-	-	-	-	-		3/41		
150	T5-3-150	SU	5	5	+	-	+	-	-	+	-	+	-	-	-	-		3/41		
151	T0-3-151	SU	6	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-03	2/39	T0-3-8233	
151	T3-3-151	SU	6	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-03	2/39	T3-3-8233	
151	T4A-3-151	SU	6	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-151	
151	T5B-3-151	SU	6	6	+	-	+	-	-	+	+	-	-	-	-	-		3/41		

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2		3	4	5	6						7				8		9	10	
Schaltung Contact sequence Schéma	Type Type Type	Art Form	FS- Pos.	Kon- takte	Kon- tacts	Bauformen Mounting form Type de montage						Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif		
Nr. No. No.						/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
151	T5-3-151	SU	6	6		+	-	+	-	-	+	-	+	-	-	-	-		3/41	
152	T0-4-152	SU	7	7		+	+	-	+	+	+	+	-	-	-	-	-	1/21-04	2/40	T0-4-8234
152	T3-4-152	SU	7	7		+	+	-	+	-	+	+	-	-	-	-	-	1/21-04	2/40	T3-4-8234
152	T4A-4-152	SU	7	7		-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-152
152	T5B-4-152	SU	7	7		+	-	+	-	-	+	+	-	-	-	-	-		3/42	
152	T5-4-152	SU	7	7		+	-	+	-	-	+	+	-	-	-	-	-		3/42	
153	T0-4-153	SU	8	8		+	+	-	+	+	+	+	-	-	-	-	-	1/21-26	2/40	T0-4-8235
153	T3-4-153	SU	8	8		+	+	-	+	-	+	+	-	-	-	-	-	1/21-26	2/40	T3-4-8235
153	T4A-4-153	SU	8	8		-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-153
153	T5B-4-153	SU	8	8		+	-	+	-	-	+	+	-	-	-	-	-		3/42	
153	T5-4-153	SU	8	8		+	-	+	-	-	+	+	-	-	-	-	-		3/42	
154	T0-6-154	UP	4	12		+	+	-	+	+	+	-	-	-	-	-	-	1/16-24	2/24	T0-6-8455
154	T3-6-154	UP	4	12		+	+	-	+	-	+	-	-	-	-	-	-	1/16-24	2/24	T3-6-8455
154	T4A-6-154	UP	4	12		-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-154
154	T5B-6-154	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
154	T5-6-154	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
155	T0-7-155	UP	4	13		+	+	-	+	+	+	-	-	-	-	-	-	1/17-08	2/24	
155	T3-7-155	UP	4	13		+	+	-	+	-	+	-	-	-	-	-	-	1/17-08	2/24	
155	T4A-7-155	UP	4	13		-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-155
155	T5B-7-155	UP	4	13		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
155	T5-7-155	UP	4	13		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
156	T0-6-156	UP	3	12		+	+	-	+	+	+	-	-	-	-	-	-	1/12-27	2/24	
156	T3-6-156	UP	3	12		+	+	-	+	-	+	-	-	-	-	-	-	1/12-27	2/24	
156	T4A-6-156	UP	3	12		-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-156
156	T5B-6-156	UP	3	12		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
156	T5-6-156	UP	3	12		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
157	T0-7-157	UP	3	13		+	+	-	+	+	+	-	-	-	-	-	-	1/13-01	2/24	
157	T3-7-157	UP	3	13		+	+	-	+	-	+	-	-	-	-	-	-	1/13-01	2/24	
157	T4A-7-157	UP	3	13		-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-157
157	T5B-7-157	UP	3	13		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
157	T5-7-157	UP	3	13		+	-	+	-	-	+	-	-	-	-	-	-		3/25	
158	T0-6-158	UP	4	12		+	+	-	+	+	+	-	-	-	-	-	-	1/16-26	2/25	
158	T3-6-158	UP	4	12		+	+	-	+	-	+	-	-	-	-	-	-	1/16-26	2/25	
158	T4A-6-158	UP	4	12		-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-158
158	T5B-6-158	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
158	T5-6-158	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
159	T0-7-159	UP	4	13		+	+	-	+	+	+	-	-	-	-	-	-	1/17-09	2/25	
159	T3-7-159	UP	4	13		+	+	-	+	-	+	-	-	-	-	-	-	1/17-09	2/25	
159	T4A-7-159	UP	4	13		-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-159
159	T5B-7-159	UP	4	13		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
159	T5-7-159	UP	4	13		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
160	T0-6-160	UP	3	12		+	+	-	+	+	+	-	-	-	-	-	-	1/12-29	2/25	
160	T3-6-160	UP	3	12		+	+	-	+	-	+	-	-	-	-	-	-	1/12-29	2/25	
160	T4A-6-160	UP	3	12		-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-160
160	T5B-6-160	UP	3	12		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
160	T5-6-160	UP	3	12		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
161	T0-7-161	UP	3	13		+	+	-	+	+	+	-	-	-	-	-	-	1/12-30	2/25	
161	T3-7-161	UP	3	13		+	+	-	+	-	+	-	-	-	-	-	-	1/12-30	2/25	
161	T4A-7-161	UP	3	13		-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-161
161	T5B-7-161	UP	3	13		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
161	T5-7-161	UP	3	13		+	-	+	-	-	+	-	-	-	-	-	-		3/26	
162	T0-6-162	UP	4	12		+	+	-	+	+	+	-	-	-	-	-	-	1/16-27	2/26	T0-6-8459
162	T3-6-162	UP	4	12		+	+	-	+	-	+	-	-	-	-	-	-	1/16-27	2/26	T3-6-8459
162	T4A-6-162	UP	4	12		-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-162
162	T5B-6-162	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/27	
162	T5-6-162	UP	4	12		+	-	+	-	-	+	-	-	-	-	-	-		3/27	
163	T0-7-163	UP	4	13		+	+	-	+	+	+	-	-	-	-	-	-	1/17-10	2/26	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10										
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage					Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif				
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
163	T3-7-163	UP	4	13	+	+	-	+	-	+	-	-	-	-	-	-	1/17-10	2/26	
163	T4A-7-163	UP	4	13	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-163
163	T5B-7-163	UP	4	13	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
163	T5-7-163	UP	4	13	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
164	T0-6-164	UP	3	12	+	+	-	+	+	-	-	-	-	-	-	-	1/12-28	2/26	
164	T3-6-164	UP	3	12	+	+	-	+	-	+	-	-	-	-	-	-	1/12-28	2/26	
164	T4A-6-164	UP	3	12	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-164
164	T5B-6-164	UP	3	12	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
164	T5-6-164	UP	3	12	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
165	T0-7-165	UP	3	13	+	+	-	+	+	+	-	-	-	-	-	-	1/13-02	2/26	
165	T3-7-165	UP	3	13	+	+	-	+	-	+	-	-	-	-	-	-	1/13-02	2/26	
165	T4A-7-165	UP	3	13	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-165
165	T5B-7-165	UP	3	13	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
165	T5-7-165	UP	3	13	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
170	T0-1-170	SU	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-17	2/54	T0-1-8310
170	T3-1-170	SU	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-17	2/54	T3-1-8310
170	T4A-1-170	SU	3	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-170
170	T5B-1-170	SU	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/57	
170	T5-1-170	SU	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/57	
171	T0-2-171	SU	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-30	2/54	T0-2-8311
171	T3-2-171	SU	4	3	+	+	-	+	-	+	+	-	-	-	-	-	1/13-30	2/54	T3-2-8311
171	T4A-2-171	SU	4	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-171
171	T5B-2-171	SU	4	3	+	-	+	-	-	+	+	-	-	-	-	-		3/57	
171	T5-2-171	SU	4	3	+	-	+	-	-	+	-	+	-	-	-	-		3/57	
172	T0-2-172	SU	5	4	+	+	-	+	+	+	+	-	-	-	-	-	1/17-25	2/54	
172	T3-2-172	SU	5	4	+	+	-	+	-	+	+	-	-	-	-	-	1/17-25	2/54	
172	T4A-4-172	SU	5	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-172
172	T5B-4-172	SU	5	4	+	-	+	-	-	+	+	-	-	-	-	-		3/57	
172	T5-4-172	SU	5	4	+	-	+	-	-	+	-	+	-	-	-	-		3/57	
173	T0-3-173	SU	6	5	+	+	-	+	+	+	+	-	-	-	-	-	1/19-21	2/54	
173	T3-3-173	SU	6	5	+	+	-	+	-	+	+	-	-	-	-	-	1/19-21	2/54	
173	T4A-5-173	SU	6	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-173
173	T5B-5-173	SU	6	5	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
173	T5-5-173	SU	6	5	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
174	T0-3-174	SU	7	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-25	2/54	
174	T3-3-174	SU	7	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-25	2/54	
174	T4A-6-174	SU	7	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-174
174	T5B-6-174	SU	7	6	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
174	T5-6-174	SU	7	6	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
175	T0-4-175	SU	8	7	+	+	-	+	+	+	+	-	-	-	-	-	1/21-22	2/54	
175	T3-4-175	SU	8	7	+	+	-	+	-	+	+	-	-	-	-	-	1/21-22	2/54	
175	T4A-7-175	SU	8	7	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-175
175	T5B-7-175	SU	8	7	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
175	T5-7-175	SU	8	7	+	-	+	-	-	+	-	-	-	-	-	-		3/57	
176	T0-1-176	SU	2	2	+	+	-	+	+	+	+	-	-	-	-	-		2/55	
176	T3-1-176	SU	2	2	+	+	-	+	-	+	+	-	-	-	-	-		2/55	
176	T4A-1-176	SU	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-176
176	T5B-1-176	SU	2	2	+	-	+	-	-	+	+	-	-	-	-	-		3/58	
176	T5-1-176	SU	2	2	+	-	+	-	-	+	-	+	-	-	-	-		3/58	
177	T0-2-177	SU	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-06	2/55	
177	T3-2-177	SU	3	3	+	+	-	+	-	+	+	-	-	-	-	-	1/08-06	2/55	
177	T4A-2-177	SU	3	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-177
177	T5B-2-177	SU	3	3	+	-	+	-	-	+	+	-	-	-	-	-		3/58	
177	T5-2-177	SU	3	3	+	-	+	-	-	+	-	+	-	-	-	-		3/58	
178	T0-2-178	SU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-18	2/55	
178	T3-2-178	SU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-18	2/55	
178	T4A-2-178	SU	4	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-178



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6					7				8	9	10			
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Cont- acts	Bauformen Mounting form Type de montage					Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Seite Page-Pict.-No. Page	Alternativ-Typ Alternative-Type Type alternatif			
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
178	T5B-2-178	SU	4	4	+	-	+	-	-	+	+	-	-	-	-	-		3/58	
178	T5-2-178	SU	4	4	+	-	+	-	-	+	-	+	-	-	-	-		3/58	
179	T0-3-179	SU	5	5	+	+	-	+	+	+	+	-	-	-	-	-	1/17-32	2/55	
179	T3-3-179	SU	5	5	+	+	-	+	+	+	+	-	-	-	-	-	1/17-32	2/55	
179	T4A-4-179	SU	5	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-179
179	T5B-4-179	SU	5	5	+	-	+	-	-	+	+	-	-	-	-	-		3/58	
179	T5-4-179	SU	5	5	+	-	+	-	-	+	-	+	-	-	-	-		3/58	
180	T0-3-180	SU	6	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-05	2/55	
180	T3-3-180	SU	6	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-05	2/55	
180	T4A-5-180	SU	6	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-180
180	T5B-5-180	SU	6	6	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
180	T5-5-180	SU	6	6	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
181	T0-4-181	SU	7	7	+	+	-	+	+	+	+	-	-	-	-	-	1/21-05	2/55	
181	T3-4-181	SU	7	7	+	+	-	+	-	+	+	-	-	-	-	-	1/21-05	2/55	
181	T4A-6-181	SU	7	7	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-181
181	T5B-6-181	SU	7	7	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
181	T5-6-181	SU	7	7	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
182	T0-4-182	SU	8	8	+	+	-	+	+	+	+	-	-	-	-	-	1/22-02	2/55	
182	T3-4-182	SU	8	8	+	+	-	+	-	+	+	-	-	-	-	-	1/22-02	2/55	
182	T4A-7-182	SU	8	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-182
182	T5B-7-182	SU	8	8	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
182	T5-7-182	SU	8	8	+	-	+	-	-	+	-	-	-	-	-	-		3/58	
183	T0-5-183	MU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-20	2/60	T0-5-15925
183	T3-5-183	MU	4	9	+	+	-	+	-	+	-	-	-	-	-	-	1/15-20	2/60	T3-5-15925
183	T4A-6-183	MU	4	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-183
183	T5B-6-183	MU	4	9	+	-	+	-	-	+	-	-	-	-	-	-		3/60	
183	T5-6-183	MU	4	9	+	-	+	-	-	+	-	-	-	-	-	-		3/60	
184	T0-8-184	UP	4	16	+	+	-	+	+	+	-	-	-	-	-	-	1/17-18	2/31	
184	T3-8-184	UP	4	16	+	+	-	+	-	+	-	-	-	-	-	-	1/17-18	2/31	
184	T4A-8-184	UP	4	16	-	-	-	-	-	-	-	-	-	-	-	-			T5B-8-184
184	T5B-8-184	UP	4	16	+	-	+	-	-	+	-	-	-	-	-	-		3/33	
184	T5-8-184	UP	4	16	+	-	+	-	-	+	-	-	-	-	-	-		3/33	
185	T0-9-185	PD	5	18	+	+	-	+	+	+	-	-	-	-	-	-		2/79	T0-9-15238
185	T3-9-185	PD	5	18	+	+	-	+	-	+	-	-	-	-	-	-		2/79	T3-9-15238
186	T0-9-186	UP	4	18	+	+	-	+	+	+	-	-	-	-	-	-		2/79	
186	T3-9-186	UP	4	18	+	+	-	+	-	+	-	-	-	-	-	-		2/79	
186	T4A-10-186	UP	4	18	-	-	-	-	-	-	-	-	-	-	-	-			T5B-10-186
186	T5B-10-186	UP	4	18	+	-	+	-	-	+	-	-	-	-	-	-		3/33	
186	T5-10-186	UP	4	18	+	-	+	-	-	+	-	-	-	-	-	-		3/33	
187	T0-7-187	UP	4	14	+	+	-	+	+	+	-	-	-	-	-	-	1/17-12	2/24	
187	T3-7-187	UP	4	14	+	+	-	+	-	+	-	-	-	-	-	-	1/17-12	2/24	
187	T4A-7-187	UP	4	14	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-187
187	T5B-7-187	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/25	
187	T5-7-187	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/25	
188	T0-7-188	UP	4	14	+	+	-	+	+	+	-	-	-	-	-	-	1/17-13	2/25	
188	T3-7-188	UP	4	14	+	+	-	+	-	+	-	-	-	-	-	-	1/17-13	2/25	
188	T4A-7-188	UP	4	14	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-188
188	T5B-7-188	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/26	
188	T5-7-188	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/26	
189	T0-7-189	UP	4	14	+	+	-	+	+	+	-	-	-	-	-	-	1/17-14	2/26	
189	T3-7-189	UP	4	14	+	+	-	+	-	+	-	-	-	-	-	-	1/17-14	2/26	
189	T4A-7-189	UP	4	14	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-189
189	T5B-7-189	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
189	T5-7-189	UP	4	14	+	-	+	-	-	+	-	-	-	-	-	-		3/27	
190	T0-3-190	W	3	5	+	+	-	+	+	+	-	-	-	-	-	-	1/09-15	2/12	T0-3-8228
190	T3-3-190	W	3	5	+	+	-	+	-	+	-	-	-	-	-	-	1/09-15	2/12	T3-3-8228
190	T4A-3-190	W	3	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-190

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10										
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif					
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
190	T5B-3-190	W	3	5	+	-	+	-	-	+	+	-	-	-	-	-		3/12	
190	T5-3-190	W	3	5	+	-	+	-	-	+	-	+	-	-	-	-		3/12	
191	T0-2-191	SH	6	4	+	+	-	+	+	+	+	-	-	-	-	-	1/19-19	2/35	
191	T3-2-191	SH	6	4	+	+	-	+	+	+	+	-	-	-	-	-	1/19-19	2/35	
191	T4A-4-191	SH	6	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-191
191	T5B-4-191	SH	6	4	+	-	+	-	-	+	+	-	-	-	-	-		3/37	
191	T5-4-191	SH	6	4	+	-	+	-	-	+	-	+	-	-	-	-		3/37	
192	T0-3-192	SH	6	5	+	+	-	+	+	+	+	-	-	-	-	-	1/19-23	2/35	
192	T3-3-192	SH	6	5	+	+	-	+	-	+	+	-	-	-	-	-	1/19-23	2/35	
192	T4A-5-192	SH	6	5	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-192
192	T5B-5-192	SH	6	5	+	-	+	-	-	+	-	-	-	-	-	-		3/37	
192	T5-5-192	SH	6	5	+	-	+	-	-	+	-	-	-	-	-	-		3/37	
194	T0-3-194	SH	8	6	+	+	-	+	+	+	+	-	-	-	-	-	1/21-19	2/35	
194	T3-3-194	SH	8	6	+	+	-	+	-	+	+	-	-	-	-	-	1/21-19	2/35	
194	T4A-5-194	SH	8	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-194
194	T5B-5-194	SH	8	6	+	-	+	-	-	+	-	-	-	-	-	-		3/37	
194	T5-5-194	SH	8	6	+	-	+	-	-	+	-	-	-	-	-	-		3/37	
195	T0-7-195	SH	6	13	+	+	-	+	+	+	-	-	-	-	-	-	1/20-18	2/36	
195	T3-7-195	SH	6	13	+	+	-	+	-	+	-	-	-	-	-	-	1/20-18	2/36	
196	T0-7-196	SH	8	13	+	+	-	+	+	+	-	-	-	-	-	-	1/22-07	2/36	
196	T3-7-196	SH	8	13	+	+	-	+	-	+	-	-	-	-	-	-	1/22-07	2/36	
197	T0-3-197	SH	4	6	+	+	-	+	+	+	+	-	-	-	-	-	1/15-06	2/36	T0-3-15115
197	T3-3-197	SH	4	6	+	+	-	+	-	+	+	-	-	-	-	-	1/15-06	2/36	T3-3-15115
8001	T0-1-8001	E	4	1	+	+	-	+	+	+	+	-	-	-	-	-	1/13-09	2/58	
8001	T3-1-8001	E	4	1	+	+	-	+	-	+	+	-	-	-	-	-	1/13-09	2/58	
8001	T4A-1-8001	E	4	1	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8001
8001	T5B-1-8001	E	4	1	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8001	T5-1-8001	E	4	1	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8002	T0-1-8002	E	4	2	+	+	-	+	+	+	+	-	-	-	-	-	1/13-14	2/58	
8002	T3-1-8002	E	4	2	+	+	-	+	-	+	+	-	-	-	-	-	1/13-14	2/58	
8002	T4A-1-8002	E	4	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8002
8002	T5B-1-8002	E	4	2	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8002	T5-1-8002	E	4	2	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8003	T0-2-8003	MU	6	4	+	+	-	+	+	+	+	-	-	-	-	-	1/19-18	2/59	
8003	T3-2-8003	MU	6	4	+	+	-	+	-	+	+	-	-	-	-	-	1/19-18	2/59	
8004	T0-2-8004	MU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-08	2/58	
8004	T3-2-8004	MU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-08	2/58	
8005	T0-2-8005	MU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-12	2/58	
8005	T3-2-8005	MU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-12	2/58	
8006	T0-4-8006	MU	6	8	+	+	-	+	+	+	+	-	-	-	-	-	1/20-07	2/59	
8006	T3-4-8006	MU	6	8	+	+	-	+	-	+	+	-	-	-	-	-	1/20-07	2/59	
8007	T0-3-8007	MU	7	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-24	2/59	
8007	T3-3-8007	MU	7	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-24	2/59	
8008	T0-4-8008	MU	7	8	+	+	-	+	+	+	+	-	-	-	-	-	1/21-07	2/59	
8008	T3-4-8008	MU	7	8	+	+	-	+	-	+	+	-	-	-	-	-	1/21-07	2/59	
8009	T0-6-8009	MU	8	12	+	+	-	+	+	+	-	-	-	-	-	-	1/22-05	2/59	
8009	T3-6-8009	MU	8	12	+	+	-	+	-	+	-	-	-	-	-	-	1/22-05	2/59	
8010	T0-3-8010	MU	5	5	+	+	-	+	+	+	+	-	-	-	-	-	1/17-29	2/58	
8010	T3-3-8010	MU	5	5	+	+	-	+	-	+	+	-	-	-	-	-	1/17-29	2/58	
8011	T0-2-8011	MU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-11	2/58	
8011	T3-2-8011	MU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-11	2/58	
8017	T0-3-8017	MU	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-03	2/61	
8017	T3-3-8017	MU	3	6	+	+	-	+	-	+	+	-	-	-	-	-	1/10-03	2/61	
8018	T0-2-8018	MU	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-30	2/60	
8018	T3-2-8018	MU	3	4	+	+	-	+	-	+	+	-	-	-	-	-	1/08-30	2/60	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6				7				8	9	10				
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif				
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8019	T0-5-8019	MU	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/11-29	2/61	
8019	T3-5-8019	MU	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/11-29	2/61	
8020	T0-2-8020	MU	3	4	+	+	-	+	+	+	-	-	-	-	-	-	1/09-04	2/60	
8020	T3-2-8020	MU	3	4	+	+	-	+	-	+	-	-	-	-	-	-	1/09-04	2/60	
8021	T0-2-8021	MU	4	4	+	+	-	+	+	+	-	-	-	-	-	-	1/14-04	2/60	
8021	T3-2-8021	MU	4	4	+	+	-	+	-	+	-	-	-	-	-	-	1/14-04	2/60	
8030	T0-3-8030	MU	4	6	+	+	-	+	+	+	-	-	-	-	-	-	1/14-34	2/62	
8030	T3-3-8030	MU	4	6	+	+	-	+	-	+	-	-	-	-	-	-	1/14-34	2/62	
8031	T0-4-8031	MU	4	8	+	+	-	+	+	+	-	-	-	-	-	-	1/15-14	2/62	
8031	T3-4-8031	MU	4	8	+	+	-	+	-	+	-	-	-	-	-	-	1/15-14	2/62	
8032	T0-2-8032	MU	2	3	+	+	-	+	+	+	-	-	-	-	-	-	1/04-39	2/62	
8032	T3-2-8032	MU	2	3	+	+	-	+	-	+	-	-	-	-	-	-	1/04-39	2/62	
8033	T0-5-8033	MU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-24	2/63	
8033	T3-5-8033	MU	4	9	+	+	-	+	-	+	-	-	-	-	-	-	1/15-24	2/63	
8034	T0-6-8034	MU	4	11	+	+	-	+	+	+	-	-	-	-	-	-	1/16-07	2/62	
8034	T3-6-8034	MU	4	11	+	+	-	+	-	+	-	-	-	-	-	-	1/16-07	2/62	
8035	T0-5-8035	MU	4	10	+	+	-	+	+	+	-	-	-	-	-	-	1/16-01		T0-5-15178
8035	T3-5-8035	MU	4	10	+	+	-	+	-	+	-	-	-	-	-	-	1/16-01		T3-5-15178
8036	T0-4-8036	MU	4	8	+	+	-	+	+	+	-	-	-	-	-	-	1/15-10	2/61	
8036	T3-4-8036	MU	4	8	+	+	-	+	-	+	-	-	-	-	-	-	1/15-10	2/61	
8037	T0-3-8037	MU	3	6	+	+	-	+	+	+	-	-	-	-	-	-	1/10-01	2/60	
8037	T3-3-8037	MU	3	6	+	+	-	+	-	+	-	-	-	-	-	-	1/10-01	2/60	
8038	T0-5-8038	MU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-25	2/61	
8038	T3-5-8038	MU	4	9	+	+	-	+	-	+	-	-	-	-	-	-	1/15-25	2/61	
8039	T0-6-8039	MU	4	12	+	+	-	+	+	+	-	-	-	-	-	-	1/16-14	2/61	
8039	T3-6-8039	MU	4	12	+	+	-	+	-	+	-	-	-	-	-	-	1/16-14	2/61	
8043	T0-5-8043	MU	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/11-28	2/63	
8043	T3-5-8043	MU	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/11-28	2/63	
8046	T0-1-8046	MU	2	2	+	+	-	+	+	+	-	-	-	-	-	-	1/04-21	2/60	
8046	T3-1-8046	MU	2	2	+	+	-	+	-	+	-	-	-	-	-	-	1/04-21	2/60	
8046	T4A-1-8046	MU	2	2	-	-	-	-	-	-	-	-	-	-	-	-			
8046	T5B-1-8046	MU	2	2	+	-	+	-	-	+	+	-	-	-	-	-			→ T5B-1-8046
8046	T5-1-8046	MU	2	2	+	-	+	-	-	+	+	-	-	-	-	-			
8047	T0-2-8047	MU	3	4	+	+	-	+	+	+	-	-	-	-	-	-	1/08-28	2/60	
8047	T3-2-8047	MU	3	4	+	+	-	+	-	+	-	-	-	-	-	-	1/08-28	2/60	
8048	T0-3-8048	MU	4	6	+	+	-	+	+	+	-	-	-	-	-	-	1/14-29	2/61	
8048	T3-3-8048	MU	4	6	+	+	-	+	-	+	-	-	-	-	-	-	1/14-29	2/61	
8050	T0-2-8050	MU	2	4	+	+	-	+	+	+	-	-	-	-	-	-	1/05-10	2/64	
8050	T3-2-8050	MU	2	4	+	+	-	+	-	+	-	-	-	-	-	-	1/05-10	2/64	
8051	T0-2-8051	MU	4	3	+	+	-	+	+	+	-	-	-	-	-	-	1/13-24	2/64	
8051	T3-2-8051	MU	4	3	+	+	-	+	-	+	-	-	-	-	-	-	1/13-24	2/64	
8053	T0-5-8053	MU	3	10	+	+	-	+	+	+	-	-	-	-	-	-	1/12-16	2/64	
8053	T3-5-8053	MU	3	10	+	+	-	+	-	+	-	-	-	-	-	-	1/12-16	2/64	
8060	T0-2-8060	E	4	4	+	+	-	+	+	+	-	-	-	-	-	-	1/13-39	2/34	
8060	T3-2-8060	E	4	4	+	+	-	+	-	+	-	-	-	-	-	-	1/13-39	2/34	
8061	T0-2-8061	SY	3	3	+	+	-	+	+	+	-	-	-	-	-	-	1/08-03	2/34	
8061	T3-2-8061	SY	3	3	+	+	-	+	-	+	-	-	-	-	-	-	1/08-03	2/34	
8062	T0-2-8062	SY	3	4	+	+	-	+	+	+	-	-	-	-	-	-	1/08-33	2/34	
8062	T3-2-8062	SY	3	4	+	+	-	+	-	+	-	-	-	-	-	-	1/08-33	2/34	
8064	T0-2-8064	E	2	4	+	+	-	+	+	+	-	-	-	-	-	-	1/05-08	2/34	
8064	T3-2-8064	E	2	4	+	+	-	+	-	+	-	-	-	-	-	-	1/05-08	2/34	
8070	T0-4-8070	MU	5	8	+	+	-	+	+	+	-	-	-	-	-	-	1/18-13	2/65	
8070	T3-4-8070	MU	5	8	+	+	-	+	-	+	-	-	-	-	-	-	1/18-13	2/65	
8071	T0-4-8071	MU	8	8	+	+	-	+	+	+	-	-	-	-	-	-	1/22-03	2/65	
8071	T3-4-8071	MU	8	8	+	+	-	+	-	+	-	-	-	-	-	-	1/22-03	2/65	
8072	T0-5-8072	MU	8	9	+	+	-	+	+	+	-	-	-	-	-	-	1/22-04	2/65	
8072	T3-5-8072	MU	8	9	+	+	-	+	-	+	-	-	-	-	-	-	1/22-04	2/65	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7				8	9	10			
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif	
					/E	/EZ	/X	/XZ	/V/S	/Z	/I	/CI19			/I/SVB
Nr. No. No.													Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8073	<b>T0-5-8073</b>	MU	5	10	+	+	-	+	+	+	-	-	1/18-21	2/65	
8073	<b>T3-5-8073</b>	MU	5	10	+	+	-	+	-	+	-	-	1/18-21	2/65	
8074	<b>T0-7-8074</b>	MU	8	13	+	+	-	+	+	+	-	-	1/22-06	2/65	
8074	<b>T3-7-8074</b>	MU	8	13	+	+	-	+	-	+	-	-	1/22-06	2/65	
8075	<b>T0-7-8075</b>	MU	8	14	+	+	-	+	+	+	-	-	1/22-11	2/65	
8075	<b>T3-7-8075</b>	MU	8	14	+	+	-	+	-	+	-	-	1/22-11	2/65	
8076	<b>T0-7-8076</b>	MU	8	14	+	+	-	+	+	+	-	-	1/22-12	2/65	
8076	<b>T3-7-8076</b>	MU	8	14	+	+	-	+	-	+	-	-	1/22-12	2/65	
8120	<b>T0-2-8120</b>	ST	3	4	+	+	-	+	+	+	-	-	1/08-38	2/68	
8120	<b>T3-2-8120</b>	ST	3	4	+	+	-	+	-	+	-	-	1/08-38	2/68	
8124	<b>T0-1-8124</b>	ST	2	2	+	+	-	+	+	+	-	-	1/04-30	2/66	
8124	<b>T3-1-8124</b>	ST	2	2	+	+	-	+	-	+	-	-	1/04-30	2/66	
8124	<b>T4A-1-8124</b>	ST	2	2	-	-	-	-	-	-	-	-			T5B-1-8124
8124	<b>T5B-1-8124</b>	ST	2	2	+	-	+	-	-	+	-	-		3/61	
8124	<b>T5-1-8124</b>	ST	2	2	+	-	+	-	-	+	-	-		3/61	
8125	<b>T0-1-8125</b>	ST	2	2	+	+	-	+	+	+	-	-		2/67	T0-1-15352
8125	<b>T3-1-8125</b>	ST	2	2	+	+	-	+	-	+	-	-		2/67	T3-1-15352
8150	<b>T0-2-8150</b>	WS	3	3	+	+	-	+	+	+	-	-	1/08-14	2/34	
8150	<b>T3-2-8150</b>	WS	3	3	+	+	-	+	-	+	-	-	1/08-14	2/34	
8151	<b>T0-3-8151</b>	WS	3	5	+	+	-	+	+	+	-	-	1/09-13	2/34	
8151	<b>T3-3-8151</b>	WS	3	5	+	+	-	+	-	+	-	-	1/09-13	2/34	
8152	<b>T0-3-8152</b>	WS	4	6	+	+	-	+	+	+	-	-	1/14-35	2/34	
8152	<b>T3-3-8152</b>	WS	4	6	+	+	-	+	-	+	-	-	1/14-35	2/34	
8153	<b>T0-2-8153</b>	ST	4	4	+	+	-	+	+	+	-	-	1/14-13	2/70	
8153	<b>T3-2-8153</b>	ST	4	4	+	+	-	+	-	+	-	-	1/14-13	2/70	
8154	<b>T0-3-8154</b>	ST	4	5	+	+	-	+	+	+	-	-	1/14-27	2/70	
8154	<b>T3-3-8154</b>	ST	4	5	+	+	-	+	-	+	-	-	1/14-27	2/70	
8155	<b>T0-6-8155</b>	ST	3	12	+	+	-	+	+	+	-	-	1/12-26	2/70	
8155	<b>T3-6-8155</b>	ST	3	12	+	+	-	+	-	+	-	-	1/12-26	2/70	
8156	<b>T0-3-8156</b>	ST	4	6	+	+	-	+	+	+	-	-	1/14-36	2/70	
8156	<b>T3-3-8156</b>	ST	4	6	+	+	-	+	-	+	-	-	1/14-36	2/70	
8157	<b>T0-3-8157</b>	WS	3	6	+	+	-	+	+	+	-	-	1/10-05	2/34	
8157	<b>T3-3-8157</b>	WS	3	6	+	+	-	+	-	+	-	-	1/10-05	2/34	
8158	<b>T0-1-8158</b>	ST	3	2	+	+	-	+	+	+	-	-	1/07-32	2/69	
8158	<b>T3-1-8158</b>	ST	3	2	+	+	-	+	-	+	-	-	1/07-32	2/69	
8159	<b>T0-2-8159</b>	WS	3	4	+	+	-	+	+	+	-	-	1/08-41	2/34	
8159	<b>T3-2-8159</b>	WS	3	4	+	+	-	+	-	+	-	-	1/08-41	2/34	
8170	<b>T0-2-8170</b>	SE	3	4	+	+	-	+	+	+	-	-	1/08-29	2/73	
8170	<b>T3-2-8170</b>	SE	3	4	+	+	-	+	-	+	-	-	1/08-29	2/73	
8171	<b>T0-4-8171</b>	SE	3	8	+	+	-	+	+	+	-	-	1/11-07	2/73	
8171	<b>T3-4-8171</b>	SE	3	8	+	+	-	+	-	+	-	-	1/11-07	2/73	
8172	<b>T0-1-8172</b>	ST	2	2	+	+	-	+	+	+	-	-		2/67	
8172	<b>T3-1-8172</b>	ST	2	2	+	+	-	+	-	+	-	-		2/67	
8173	<b>T0-1-8173</b>	ST	2	2	+	+	-	+	+	+	-	-	1/04-29	2/67	
8173	<b>T3-1-8173</b>	ST	2	2	+	+	-	+	-	+	-	-	1/04-29	2/67	
8174	<b>T0-1-8174</b>	ST	2	1	+	+	-	+	+	+	-	-	1/04-12	2/67	
8174	<b>T3-1-8174</b>	ST	2	1	+	+	-	+	-	+	-	-	1/04-12	2/67	
8175	<b>T0-1-8175</b>	ST	2	1	+	+	-	+	+	+	-	-	1/04-08	2/66	
8175	<b>T3-1-8175</b>	ST	2	1	+	+	-	+	-	+	-	-	1/04-08	2/66	
8176	<b>T0-1-8176</b>	ST	3	2	+	+	-	+	+	+	-	-	1/07-35		
8176	<b>T3-1-8176</b>	ST	3	2	+	+	-	+	-	+	-	-	1/07-35		
8177	<b>T0-2-8177</b>	ST	5	4	+	+	-	+	+	+	-	-	1/17-21	2/69	
8177	<b>T3-2-8177</b>	ST	5	4	+	+	-	+	-	+	-	-	1/17-21	2/69	
8178	<b>T0-1-8178</b>	ST	3	2	+	+	-	+	+	+	-	-	1/07-26	2/69	T0-1-15511
8178	<b>T3-1-8178</b>	ST	3	2	+	+	-	+	-	+	-	-	1/07-26	2/69	T3-1-15511
8179	<b>T0-2-8179</b>	ST	3	4	+	+	-	+	+	+	-	-	1/08-36	2/68	
8179	<b>T3-2-8179</b>	ST	3	4	+	+	-	+	-	+	-	-	1/08-36	2/68	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6					7				8		9		10	
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage					Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif			
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
8180	T0-1-8180	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-27	2/69	
8180	T3-1-8180	ST	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-27	2/69	
8181	T0-2-8181	ST	5	4	+	+	-	+	+	+	+	-	-	-	-	-	1/17-23	2/69	
8181	T3-2-8181	ST	5	4	+	+	-	+	-	+	+	-	-	-	-	-	1/17-23	2/69	
8182	T0-2-8182	ST	5	4	+	+	-	+	+	+	+	-	-	-	-	-	1/17-22	2/69	
8182	T3-2-8182	ST	5	4	+	+	-	+	-	+	+	-	-	-	-	-	1/17-22	2/69	
8184	T0-4-8184	WS	3	8	+	+	-	+	+	+	+	-	-	-	-	-	1/11-13	2/34	
8184	T3-4-8184	WS	3	8	+	+	-	+	-	+	+	-	-	-	-	-	1/11-13	2/34	
8185	T0-1-8185	WS	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-34	2/34	
8185	T3-1-8185	WS	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-34	2/34	
8200	T0-1-8200	EA	2	1	+	+	-	+	+	+	+	-	+	-	+	+	1/04-01	2/04	
8200	T3-1-8200	EA	2	1	+	+	-	+	-	+	+	-	+	-	+	+	1/04-01	2/04	
8200	T4A-1-8200	EA	2	1	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8200
8200	T5B-1-8200	EA	2	1	+	-	+	-	-	+	+	-	+	-	+	+		3/02	
8200	T5-1-8200	EA	2	1	+	-	+	-	-	+	-	+	-	+	+	+		3/02	
8201	T0-1-8201	SE	2	2	+	+	-	+	+	+	+	-	-	-	-	-	1/04-18	2/71	
8201	T3-1-8201	SE	2	2	+	+	-	+	-	+	+	-	-	-	-	-	1/04-18	2/71	
8202	T0-2-8202	SE	2	3	+	+	-	+	+	+	+	-	-	-	-	-		2/71	T0-2-15403
8202	T3-2-8202	SE	2	3	+	+	-	+	-	+	+	-	-	-	-	-		2/71	T3-2-15403
8202	T4A-2-8202	SE	2	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-8202
8202	T5B-2-8202	SE	2	3	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8202	T5-2-8202	SE	2	3	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8203	T0-2-8203	SE	2	4	+	+	-	+	+	+	+	-	-	-	-	-		2/71	T0-2-15404
8203	T3-2-8203	SE	2	4	+	+	-	+	-	+	+	-	-	-	-	-		2/71	T3-2-15404
8203	T5B-2-8203	SE	2	4	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8203	T5-2-8203	SE	2	4	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8204	T0-1-8204	ST	2	1	+	+	-	+	+	+	+	-	-	-	-	-	1/04-10	2/66	T0-1-15301
8204	T3-1-8204	ST	2	1	+	+	-	+	-	+	+	-	-	-	-	-	1/04-10	2/66	T3-1-15301
8204	T4A-1-8204	ST	2	1	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8204
8204	T5B-1-8204	ST	2	1	+	-	+	-	-	+	+	-	-	-	-	-		3/61	
8204	T5-1-8204	ST	2	1	+	-	+	-	-	+	-	+	-	-	-	-		3/61	
8205	T0-1-8205	ST	2	2	+	+	-	+	+	+	+	-	-	-	-	-	1/04-25	2/66	T0-1-15302
8205	T3-1-8205	ST	2	2	+	+	-	+	-	+	+	-	-	-	-	-	1/04-25	2/66	T3-1-15302
8205	T4A-1-8205	ST	2	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8205
8205	T5B-1-8205	ST	2	2	+	-	+	-	-	+	+	-	-	-	-	-		3/61	
8205	T5-1-8205	ST	2	2	+	-	+	-	-	+	-	+	-	-	-	-		3/61	
8206	T0-2-8206	ST	2	3	+	+	-	+	+	+	+	-	-	-	-	-	1/04-41	2/66	T0-2-15303
8206	T3-2-8206	ST	2	3	+	+	-	+	-	+	+	-	-	-	-	-	1/04-41	2/66	T3-2-15303
8206	T4A-2-8206	ST	2	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-8206
8206	T5B-2-8206	ST	2	3	+	-	+	-	-	+	+	-	-	-	-	-		3/61	
8206	T5-2-8206	ST	2	3	+	-	+	-	-	+	-	+	-	-	-	-		3/61	
8207	T0-2-8207	ST	2	4	+	+	-	+	+	+	+	-	-	-	-	-	1/05-16	2/66	T0-2-15079
8207	T3-2-8207	ST	2	4	+	+	-	+	-	+	+	-	-	-	-	-	1/05-16	2/66	T3-2-15079
8207	T4A-2-8207	ST	2	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-8207
8207	T5B-2-8207	ST	2	4	+	-	+	-	-	+	+	-	-	-	-	-		3/61	
8207	T5-2-8207	ST	2	4	+	-	+	-	-	+	-	+	-	-	-	-		3/61	
8208	T0-2-8208	E	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-26		
8208	T3-2-8208	E	4	3	+	+	-	+	-	+	+	-	-	-	-	-	1/13-26		
8208	T4A-2-8208	E	4	3	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-8208
8208	T5B-2-8208	E	4	3	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8208	T5-2-8208	E	4	3	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8210	T0-1-8210	UG	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-06	2/08	
8210	T3-1-8210	UG	3	2	+	+	-	+	-	+	+	-	-	-	-	-	1/07-06	2/08	
8210	T4A-1-8210	UG	3	2	-	-	-	-	-	-	-	-	-	-	-	-			T5B-1-8210
8210	T5B-1-8210	UG	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/07	
8210	T5-1-8210	UG	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/07	
8211	T0-2-8211	UG	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-16	2/08	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Contacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8211	T3-2-8211	UG	3	4	+ + - + - + + -	- - - -	1/08-16	2/08	
8211	T4A-2-8211	UG	3	4	- - - - - - - -	- - - -			T5B-2-8211
8211	T5B-2-8211	UG	3	4	+ - + - - - + -	- - - -		3/07	
8211	T5-2-8211	UG	3	4	+ - + - - - + -	- - - -		3/07	
8212	T0-3-8212	UG	3	6	+ + - + + + + -	- - - -	1/09-20	2/08	
8212	T3-3-8212	UG	3	6	+ + - + + + + -	- - - -	1/09-20	2/08	
8212	T4A-3-8212	UG	3	6	- - - - - - - -	- - - -			T5B-3-8212
8212	T5B-3-8212	UG	3	6	+ - + - - - + -	- - - -		3/07	
8212	T5-3-8212	UG	3	6	+ - + - - - + -	- - - -		3/07	
8213	T0-4-8213	UG	3	8	+ + - + + + + -	- - - -	1/11-01	2/08	
8213	T3-4-8213	UG	3	8	+ + - + + + + -	- - - -	1/11-01	2/08	
8213	T4A-4-8213	UG	3	8	- - - - - - - -	- - - -			T5B-4-8213
8213	T5B-4-8213	UG	3	8	+ - + - - - + -	- - - -		3/07	
8213	T5-4-8213	UG	3	8	+ - + - - - + -	- - - -		3/07	
8214	T0-1-8214	UG	3	2	+ + - + + + + -	- - - -	1/07-29	2/09	
8214	T3-1-8214	UG	3	2	+ + - + + + + -	- - - -	1/07-29	2/09	
8214	T4A-1-8214	UG	3	2	- - - - - - - -	- - - -			T5B-1-8214
8214	T5B-1-8214	UG	3	2	+ - + - - - + -	- - - -		3/08	
8214	T5-1-8214	UG	3	2	+ - + - - - + -	- - - -		3/08	
8215	T0-2-8215	UG	3	4	+ + - + + + + -	- - - -	1/08-17	2/09	
8215	T3-2-8215	UG	3	4	+ + - + + + + -	- - - -	1/08-17	2/09	
8215	T4A-2-8215	UG	3	4	- - - - - - - -	- - - -			T5B-2-8215
8215	T5B-2-8215	UG	3	4	+ - + - - - + -	- - - -		3/08	
8215	T5-2-8215	UG	3	4	+ - + - - - + -	- - - -		3/08	
8216	T0-3-8216	UG	3	6	+ + - + + + + -	- - - -	1/09-21	2/09	
8216	T3-3-8216	UG	3	6	+ + - + + + + -	- - - -	1/09-21	2/09	
8216	T4A-3-8216	UG	3	6	- - - - - - - -	- - - -			T5B-3-8216
8216	T5B-3-8216	UG	3	6	+ - + - - - + -	- - - -		3/08	
8216	T5-3-8216	UG	3	6	+ - + - - - + -	- - - -		3/08	
8218	T0-1-8218	UG	3	2	+ + - + + + + -	- - - -	1/07-07	2/08	
8218	T3-1-8218	UG	3	2	+ + - + + + + -	- - - -	1/07-07	2/08	
8218	T4A-1-8218	UG	3	2	- - - - - - - -	- - - -			T5B-1-8218
8218	T5B-1-8218	UG	3	2	+ - + - - - + -	- - - -		3/07	
8218	T5-1-8218	UG	3	2	+ - + - - - + -	- - - -		3/07	
8219	T0-2-8219	UG	3	4	+ + - + + + + -	- - - -	1/08-26	2/08	
8219	T3-2-8219	UG	3	4	+ + - + + + + -	- - - -	1/08-26	2/08	
8219	T4A-2-8219	UG	3	4	- - - - - - - -	- - - -			T5B-2-8219
8219	T5B-2-8219	UG	3	4	+ - + - - - + -	- - - -		3/07	
8219	T5-2-8219	UG	3	4	+ - + - - - + -	- - - -		3/07	
8220	T0-1-8220	UW	2	2	+ + - + + + + -	- - - -	1/04-19	2/07	T0-1-34
8220	T3-1-8220	UW	2	2	+ + - + + + + -	- - - -	1/04-19	2/07	T3-1-34
8220	T4A-1-8220	UW	2	2	- - - - - - - -	- - - -			T5B-1-8220
8220	T5B-1-8220	UW	2	2	+ - + - - - + -	- - - -		3/06	
8220	T5-1-8220	UW	2	2	+ - + - - - + -	- - - -		3/06	
8221	T0-2-8221	UW	2	4	+ + - + + + + -	- - - -	1/05-07	2/07	T0-2-39
8221	T3-2-8221	UW	2	4	+ + - + + + + -	- - - -	1/05-07	2/07	T3-2-39
8221	T4A-2-8221	UW	2	4	- - - - - - - -	- - - -			T5B-2-8221
8221	T5B-2-8221	UW	2	4	+ - + - - - + -	- - - -		3/06	
8221	T5-2-8221	UW	2	4	+ - + - - - + -	- - - -		3/06	
8222	T0-3-8222	UW	2	6	+ + - + + + + -	- - - -	1/05-34	2/07	T0-3-50
8222	T3-3-8222	UW	2	6	+ + - + + + + -	- - - -	1/05-34	2/07	T3-3-50
8222	T4A-3-8222	UW	2	6	- - - - - - - -	- - - -			T5B-3-8222
8222	T5B-3-8222	UW	2	6	+ - + - - - + -	- - - -		3/06	
8222	T5-3-8222	UW	2	6	+ - + - - - + -	- - - -		3/06	
8223	T0-4-8223	UW	2	8	+ + - + + + + -	- - - -	1/06-12	2/07	
8223	T3-4-8223	UW	2	8	+ + - + + + + -	- - - -	1/06-12	2/07	
8223	T4A-4-8223	UW	2	8	- - - - - - - -	- - - -			T5B-4-8223

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6					7				8	9	10			
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage					Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif			
Nr. No. No.				Con- tacts	/E	/EZ	/X	/XZ	/V/S	/Z	/I	/C119	/I/SVB	/C119/SVB	/EA/SVB	/N/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8223	T5B-4-8223	UW	2	8	+	-	+	-	-	+	+	-	-	-	-	-		3/06	
8223	T5-4-8223	UW	2	8	+	-	+	-	-	+	-	+	-	-	-	-		3/06	
8224	T0-2-8224	E	2	3	+	+	-	+	+	+	+	-	-	-	-	-	1/04-38	2/06	
8224	T3-2-8224	E	2	3	-	+	-	+	-	+	+	-	-	-	-	-	1/04-38	2/06	
8224	T4A-2-8224	E	2	3	+	-	-	-	-	+	+	-	-	-	-	-			→ T5B-2-8224
8224	T5B-2-8224	E	2	3	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8224	T5-2-8224	E	2	3	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8225	T0-2-8225	E	2	4	+	+	-	+	+	+	+	-	-	-	-	-	1/05-21		
8225	T3-2-8225	E	2	4	+	+	-	+	-	+	+	-	-	-	-	-	1/05-21		
8225	T4A-2-8225	E	2	4	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-2-8225
8225	T5B-2-8225	E	2	4	+	-	+	-	-	+	+	-	-	-	-	-		3/05	
8225	T5-2-8225	E	2	4	+	-	+	-	-	+	-	+	-	-	-	-		3/05	
8228	T0-3-8228	W	3	5	+	+	-	+	+	+	+	-	-	-	-	-	1/09-12	2/12	
8228	T3-3-8228	W	3	5	+	+	-	+	-	+	+	-	-	-	-	-	1/09-12	2/12	
8228	T4A-3-8228	W	3	5	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-3-8228
8228	T5B-3-8228	W	3	5	+	-	+	-	-	+	+	-	-	-	-	-		3/12	
8228	T5-3-8228	W	3	5	+	-	+	-	-	+	-	+	-	-	-	-		3/12	
8230	T0-2-8230	SU	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-01	2/39	
8230	T3-2-8230	SU	3	3	+	+	-	+	-	+	+	-	-	-	-	-	1/08-01	2/39	
8230	T4A-2-8230	SU	3	3	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-2-8230
8230	T5B-2-8230	SU	3	3	+	-	+	-	-	+	+	-	-	-	-	-		3/41	
8230	T5-2-8230	SU	3	3	+	-	+	-	-	+	-	+	-	-	-	-		3/41	
8231	T0-2-8231	SU	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/13-40	2/39	
8231	T3-2-8231	SU	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/13-40	2/39	
8231	T4A-2-8231	SU	4	4	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-2-8231
8231	T5B-2-8231	SU	4	4	+	-	+	-	-	+	+	-	-	-	-	-		3/41	
8231	T5-2-8231	SU	4	4	+	-	+	-	-	+	-	+	-	-	-	-		3/41	
8232	T0-3-8232	SU	5	5	+	+	-	+	+	+	+	-	-	-	-	-	1/17-28	2/39	
8232	T3-3-8232	SU	5	5	+	+	-	+	-	+	+	-	-	-	-	-	1/17-28	2/39	
8232	T4A-3-8232	SU	5	5	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-3-8232
8232	T5B-3-8232	SU	5	5	+	-	+	-	-	+	+	-	-	-	-	-		3/41	
8232	T5-3-8232	SU	5	5	+	-	+	-	-	+	-	+	-	-	-	-		3/41	
8233	T0-3-8233	SU	6	6	+	+	-	+	+	+	+	-	-	-	-	-	1/20-01	2/40	
8233	T3-3-8233	SU	6	6	+	+	-	+	-	+	+	-	-	-	-	-	1/20-01	2/40	
8233	T4A-3-8233	SU	6	6	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-3-8233
8233	T5B-3-8233	SU	6	6	+	-	+	-	-	+	+	-	-	-	-	-		3/42	
8233	T5-3-8233	SU	6	6	+	-	+	-	-	+	-	+	-	-	-	-		3/42	
8234	T0-4-8234	SU	7	7	+	+	-	+	+	+	+	-	-	-	-	-	1/21-03	2/40	
8234	T3-4-8234	SU	7	7	+	+	-	+	-	+	+	-	-	-	-	-	1/21-03	2/40	
8234	T4A-4-8234	SU	7	7	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-4-8234
8234	T5B-4-8234	SU	7	7	+	-	+	-	-	+	+	-	-	-	-	-		3/42	
8234	T5-4-8234	SU	7	7	+	-	+	-	-	+	-	+	-	-	-	-		3/42	
8235	T0-4-8235	SU	8	8	+	+	-	+	+	+	+	-	-	-	-	-	1/21-24	2/40	
8235	T3-4-8235	SU	8	8	+	+	-	+	-	+	+	-	-	-	-	-	1/21-24	2/40	
8235	T4A-4-8235	SU	8	8	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-4-8235
8235	T5B-4-8235	SU	8	8	+	-	+	-	-	+	+	-	-	-	-	-		3/42	
8235	T5-4-8235	SU	8	8	+	-	+	-	-	+	-	+	-	-	-	-		3/42	
8236	T0-5-8236	SU	9	9	+	+	-	+	+	+	-	-	-	-	-	-	1/22-20	2/40	
8236	T3-5-8236	SU	9	9	+	+	-	+	-	+	-	-	-	-	-	-	1/22-20	2/40	
8236	T4A-5-8236	SU	9	9	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-5-8236
8236	T5B-5-8236	SU	9	9	+	-	+	-	-	+	-	-	-	-	-	-		3/42	
8236	T5-5-8236	SU	9	9	+	-	+	-	-	+	-	-	-	-	-	-		3/42	
8237	T0-5-8237	SU	10	10	+	+	-	+	+	+	-	-	-	-	-	-	1/23-12	2/40	
8237	T3-5-8237	SU	10	10	+	+	-	+	-	+	-	-	-	-	-	-	1/23-12	2/40	
8237	T4A-5-8237	SU	10	10	-	-	-	-	-	-	-	-	-	-	-	-			→ T5B-5-8237
8237	T5B-5-8237	SU	10	10	+	-	+	-	-	+	-	-	-	-	-	-		3/42	
8237	T5-5-8237	SU	10	10	+	-	+	-	-	+	-	-	-	-	-	-		3/42	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif	
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8238	<b>T0-6-8238</b>	SU	11	11	+ + - + + + - -	- - - - -	1/23-20	2/41	
8238	<b>T3-6-8238</b>	SU	11	11	+ + - + - + - -	- - - - -	1/23-20	2/41	
8238	<b>T4A-6-8238</b>	SU	11	11	- - - - -	- - - - -			→ T5B-6-8238
8238	<b>T5B-6-8238</b>	SU	11	11	+ - + - - + - -	- - - - -		3/43	
8238	<b>T5-6-8238</b>	SU	11	11	+ - + - - + - -	- - - - -		3/43	
8239	<b>T0-6-8239</b>	SU	12	12	+ + - + + + - -	- - - - -	1/24-02	2/41	
8239	<b>T3-6-8239</b>	SU	12	12	+ + - + - + - -	- - - - -	1/24-02	2/41	
8239	<b>T4A-6-8239</b>	SU	12	12	- - - - -	- - - - -			→ T5B-6-8239
8239	<b>T5B-6-8239</b>	SU	12	12	+ - + - - + - -	- - - - -		3/43	
8239	<b>T5-6-8239</b>	SU	12	12	+ - + - - + - -	- - - - -		3/43	
8240	<b>T0-1-8240</b>	SU	3	2	+ + - + + + + -	- - - - -	1/07-10	2/37	
8240	<b>T3-1-8240</b>	SU	3	2	+ + - + - + + -	- - - - -	1/07-10	2/37	
8240	<b>T4A-1-8240</b>	SU	3	2	- - - - -	- - - - -			→ T5B-1-8240
8240	<b>T5B-1-8240</b>	SU	3	2	+ - + - - + + -	- - - - -		3/39	
8240	<b>T5-1-8240</b>	SU	3	2	+ - + - - + + -	- - - - -		3/39	
8241	<b>T0-2-8241</b>	SU	4	3	+ + - + + + + -	- - - - -	1/13-23	2/37	
8241	<b>T3-2-8241</b>	SU	4	3	+ + - + - + + -	- - - - -	1/13-23	2/37	
8241	<b>T4A-2-8241</b>	SU	4	3	- - - - -	- - - - -			→ T5B-2-8241
8241	<b>T5B-2-8241</b>	SU	4	3	+ - + - - + + -	- - - - -		3/39	
8241	<b>T5-2-8241</b>	SU	4	3	+ - + - - + - +	- - - - -		3/39	
8242	<b>T0-2-8242</b>	SU	5	4	+ + - + + + + -	- - - - -	1/17-20	2/37	
8242	<b>T3-2-8242</b>	SU	5	4	+ + - + - + + -	- - - - -	1/17-20	2/37	
8242	<b>T4A-2-8242</b>	SU	5	4	- - - - -	- - - - -			→ T5B-2-8242
8242	<b>T5B-2-8242</b>	SU	5	4	+ - + - - + + -	- - - - -		3/39	
8242	<b>T5-2-8242</b>	SU	5	4	+ - + - - + - +	- - - - -		3/39	
8243	<b>T0-3-8243</b>	SU	6	5	+ + - + + + + -	- - - - -	1/19-20	2/37	
8243	<b>T3-3-8243</b>	SU	6	5	+ + - + - + + -	- - - - -	1/19-20	2/37	
8243	<b>T4A-3-8243</b>	SU	6	5	- - - - -	- - - - -			→ T5B-3-8243
8243	<b>T5B-3-8243</b>	SU	6	5	+ - + - - + + -	- - - - -		3/39	
8243	<b>T5-3-8243</b>	SU	6	5	+ - + - - + - +	- - - - -		3/39	
8244	<b>T0-3-8244</b>	SU	7	6	+ + - + + + + -	- - - - -	1/20-23	2/37	
8244	<b>T3-3-8244</b>	SU	7	6	+ + - + - + + -	- - - - -	1/20-23	2/37	
8244	<b>T4A-4-8244</b>	SU	7	6	- - - - -	- - - - -			→ T5B-4-8244
8244	<b>T5B-4-8244</b>	SU	7	6	+ - + - - + + -	- - - - -		3/39	
8244	<b>T5-4-8244</b>	SU	7	6	+ - + - - + - +	- - - - -		3/39	
8245	<b>T0-4-8245</b>	SU	8	7	+ + - + + + + -	- - - - -	1/21-20	2/38	
8245	<b>T3-4-8245</b>	SU	8	7	+ + - + - + + -	- - - - -	1/21-20	2/38	
8245	<b>T4A-4-8245</b>	SU	8	7	- - - - -	- - - - -			→ T5B-4-8245
8245	<b>T5B-4-8245</b>	SU	8	7	+ - + - - + + -	- - - - -		3/40	
8245	<b>T5-4-8245</b>	SU	8	7	+ - + - - + - +	- - - - -		3/40	
8246	<b>T0-4-8246</b>	SU	9	8	+ + - + + + + -	- - - - -	1/22-16	2/38	
8246	<b>T3-4-8246</b>	SU	9	8	+ + - + - + + -	- - - - -	1/22-16	2/38	
8246	<b>T4A-5-8246</b>	SU	9	8	- - - - -	- - - - -			→ T5B-5-8246
8246	<b>T5B-5-8246</b>	SU	9	8	+ - + - - + - -	- - - - -		3/40	
8246	<b>T5-5-8246</b>	SU	9	8	+ - + - - + - -	- - - - -		3/40	
8247	<b>T0-5-8247</b>	SU	10	9	+ + - + + + - -	- - - - -	1/23-08	2/38	
8247	<b>T3-5-8247</b>	SU	10	9	+ + - + - + - -	- - - - -	1/23-08	2/38	
8247	<b>T4A-5-8247</b>	SU	10	9	- - - - -	- - - - -			→ T5B-5-8247
8247	<b>T5B-5-8247</b>	SU	10	9	+ - + - - + - -	- - - - -		3/40	
8247	<b>T5-5-8247</b>	SU	10	9	+ - + - - + - -	- - - - -		3/40	
8248	<b>T0-5-8248</b>	SU	11	10	+ + - + + + - -	- - - - -	1/23-16	2/38	
8248	<b>T3-5-8248</b>	SU	11	10	+ + - + - + - -	- - - - -	1/23-16	2/38	
8248	<b>T4A-6-8248</b>	SU	11	10	- - - - -	- - - - -			→ T5B-6-8248
8248	<b>T5B-6-8248</b>	SU	11	10	+ - + - - + - -	- - - - -		3/40	
8248	<b>T5-6-8248</b>	SU	11	10	+ - + - - + - -	- - - - -		3/40	
8249	<b>T0-6-8249</b>	SU	12	11	+ + - + + + - -	- - - - -	1/23-24	2/39	
8249	<b>T3-6-8249</b>	SU	12	11	+ + - + - + - -	- - - - -	1/23-24	2/39	



# Standardschaltungen Standard contact sequences / Schémas standards

1	2	3	4	5	6				7				8	9	10				
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takten Contacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif				
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
8249	<b>T4A-6-8249</b>	SU	12	11	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-8249
8249	<b>T5B-6-8249</b>	SU	12	11	+	-	+	-	-	+	-	-	-	-	-	-		3/41	
8249	<b>T5-6-8249</b>	SU	12	11	+	-	+	-	-	+	-	-	-	-	-	-		3/41	
8250	<b>T0-3-8250</b>	SU	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/09-31	2/43	
8250	<b>T3-3-8250</b>	SU	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/09-31	2/43	
8250	<b>T4A-3-8250</b>	SU	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-8250
8250	<b>T5B-3-8250</b>	SU	3	6	+	-	+	-	-	+	+	-	-	-	-	-		3/46	
8250	<b>T5-3-8250</b>	SU	3	6	+	-	+	-	-	+	-	+	-	-	-	-		3/46	
8251	<b>T0-4-8251</b>	SU	4	8	+	+	-	+	+	+	+	-	-	-	-	-	1/15-09	2/43	
8251	<b>T3-4-8251</b>	SU	4	8	+	+	-	+	-	+	+	-	-	-	-	-	1/15-09	2/43	
8251	<b>T4A-4-8251</b>	SU	4	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-8251
8251	<b>T5B-4-8251</b>	SU	4	8	+	-	+	-	-	+	+	-	-	-	-	-		3/46	
8251	<b>T5-4-8251</b>	SU	4	8	+	-	+	-	-	+	-	+	-	-	-	-		3/46	
8252	<b>T0-5-8252</b>	SU	5	10	+	+	-	+	+	+	-	-	-	-	-	-	1/18-17	2/44	
8252	<b>T3-5-8252</b>	SU	5	10	+	+	-	+	+	+	-	-	-	-	-	-	1/18-17	2/44	
8252	<b>T4A-5-8252</b>	SU	5	10	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-8252
8252	<b>T5B-5-8252</b>	SU	5	10	+	-	+	-	-	+	-	-	-	-	-	-		3/46	
8252	<b>T5-5-8252</b>	SU	5	10	+	-	+	-	-	+	-	-	-	-	-	-		3/46	
8253	<b>T0-6-8253</b>	SU	6	12	+	+	-	+	+	+	-	-	-	-	-	-	1/20-15	2/44	
8253	<b>T3-6-8253</b>	SU	6	12	+	+	-	+	-	+	-	-	-	-	-	-	1/20-15	2/44	
8253	<b>T4A-6-8253</b>	SU	6	12	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-8253
8253	<b>T5B-6-8253</b>	SU	6	12	+	-	+	-	-	+	-	-	-	-	-	-		3/46	
8253	<b>T5-6-8253</b>	SU	6	12	+	-	+	-	-	+	-	-	-	-	-	-		3/46	
8254	<b>T0-7-8254</b>	SU	7	14	+	+	-	+	+	+	-	-	-	-	-	-	1/21-12	2/44	
8254	<b>T3-7-8254</b>	SU	7	14	+	+	-	+	-	+	-	-	-	-	-	-	1/21-12	2/44	
8254	<b>T4A-7-8254</b>	SU	7	14	-	-	-	-	-	-	-	-	-	-	-	-			T5B-7-8254
8254	<b>T5B-7-8254</b>	SU	7	14	+	-	+	-	-	+	-	-	-	-	-	-		3/47	
8254	<b>T5-7-8254</b>	SU	7	14	+	-	+	-	-	+	-	-	-	-	-	-		3/47	
8255	<b>T0-8-8255</b>	SU	8	16	+	+	-	+	+	+	-	-	-	-	-	-	1/22-13	2/44	
8255	<b>T3-8-8255</b>	SU	8	16	+	+	-	+	-	+	-	-	-	-	-	-	1/22-13	2/44	
8255	<b>T4A-8-8255</b>	SU	8	16	-	-	-	-	-	-	-	-	-	-	-	-			T5B-8-8255
8255	<b>T5B-8-8255</b>	SU	8	16	+	-	+	-	-	+	-	-	-	-	-	-		3/47	
8255	<b>T5-8-8255</b>	SU	8	16	+	-	+	-	-	+	-	-	-	-	-	-		3/47	
8256	<b>T0-9-8256</b>	SU	9	18	+	+	-	+	+	+	-	-	-	-	-	-	1/24-23	2/82	
8256	<b>T3-9-8256</b>	SU	9	18	+	+	-	+	-	+	-	-	-	-	-	-	1/24-23	2/82	
8256	<b>T4A-9-8256</b>	SU	9	18	-	-	-	-	-	-	-	-	-	-	-	-			T5B-9-8256
8256	<b>T5B-9-8256</b>	SU	9	18	+	-	+	-	-	+	-	-	-	-	-	-		3/48	
8256	<b>T5-9-8256</b>	SU	9	18	+	-	+	-	-	+	-	-	-	-	-	-		3/48	
8257	<b>T0-10-8257</b>	SU	10	20	+	+	-	+	+	+	-	-	-	-	-	-	1/25-12	2/83	
8257	<b>T3-10-8257</b>	SU	10	20	+	+	-	+	-	+	-	-	-	-	-	-	1/25-12	2/83	
8257	<b>T4A-10-8257</b>	SU	10	20	-	-	-	-	-	-	-	-	-	-	-	-			T5B-10-8257
8257	<b>T5B-10-8257</b>	SU	10	20	+	-	+	-	-	+	-	-	-	-	-	-		3/48	
8257	<b>T5-10-8257</b>	SU	10	20	+	-	+	-	-	+	-	-	-	-	-	-		3/48	
8258	<b>T0-11-8258</b>	SU	11	22	+	+	-	+	+	+	-	-	-	-	-	-	1/26-10	2/83	
8258	<b>T3-11-8258</b>	SU	11	22	+	+	-	+	-	+	-	-	-	-	-	-	1/26-10	2/83	
8260	<b>T0-2-8260</b>	SU	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-25	2/41	
8260	<b>T3-2-8260</b>	SU	3	4	+	+	-	+	-	+	+	-	-	-	-	-	1/08-25	2/41	
8260	<b>T4A-2-8260</b>	SU	3	4	-	-	-	-	-	-	-	-	-	-	-	-			T5B-2-8260
8260	<b>T5B-2-8260</b>	SU	3	4	+	-	+	-	-	+	+	-	-	-	-	-		3/43	
8260	<b>T5-2-8260</b>	SU	3	4	+	-	+	-	-	+	-	+	-	-	-	-		3/43	
8261	<b>T0-3-8261</b>	SU	4	6	+	+	-	+	+	+	+	-	-	-	-	-	1/14-31	2/41	
8261	<b>T3-3-8261</b>	SU	4	6	+	+	-	+	-	+	+	-	-	-	-	-	1/14-31	2/41	
8261	<b>T4A-3-8261</b>	SU	4	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-8261
8261	<b>T5B-3-8261</b>	SU	4	6	+	-	+	-	-	+	+	-	-	-	-	-		3/43	
8261	<b>T5-3-8261</b>	SU	4	6	+	-	+	-	-	+	-	+	-	-	-	-		3/43	
8262	<b>T0-4-8262</b>	SU	5	8	+	+	-	+	+	+	+	-	-	-	-	-	1/18-11	2/42	
8262	<b>T3-4-8262</b>	SU	5	8	+	+	-	+	-	+	+	-	-	-	-	-	1/18-11	2/42	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
8262	<b>T4A-5-8262</b>	SU	5	8	- - - - -	- - - - -			T5B-5-8262
8262	<b>T5B-5-8262</b>	SU	5	8	+ - + - -	- - - - -		3/44	
8262	<b>T5-5-8262</b>	SU	5	8	+ - + - -	- - - - -		3/44	
8263	<b>T0-5-8263</b>	SU	6	10	+ + - + +	- - - - -	1/20-09	2/42	
8263	<b>T3-5-8263</b>	SU	6	10	+ + - + +	- - - - -	1/20-09	2/42	
8263	<b>T4A-6-8263</b>	SU	6	10	- - - - -	- - - - -			T5B-6-8263
8263	<b>T5B-6-8263</b>	SU	6	10	+ - + - -	- - - - -		3/44	
8263	<b>T5-6-8263</b>	SU	6	10	+ - + - -	- - - - -		3/44	
8264	<b>T0-6-8264</b>	SU	7	12	+ + - + +	- - - - -	1/21-08	2/42	
8264	<b>T3-6-8264</b>	SU	7	12	+ + - + +	- - - - -	1/21-08	2/42	
8264	<b>T4A-7-8264</b>	SU	7	12	- - - - -	- - - - -			T5B-7-8264
8264	<b>T5B-7-8264</b>	SU	7	12	+ - + - -	- - - - -		3/44	
8264	<b>T5-7-8264</b>	SU	7	12	+ - + - -	- - - - -		3/44	
8265	<b>T0-7-8265</b>	SU	8	14	+ + - + +	- - - - -	1/22-08	2/43	
8265	<b>T3-7-8265</b>	SU	8	14	+ + - + +	- - - - -	1/22-08	2/43	
8265	<b>T4A-8-8265</b>	SU	8	14	- - - - -	- - - - -			T5B-8-8265
8265	<b>T5B-8-8265</b>	SU	8	14	+ - + - -	- - - - -		3/45	
8265	<b>T5-8-8265</b>	SU	8	14	+ - + - -	- - - - -		3/45	
8266	<b>T0-8-8266</b>	SU	9	16	+ + - + +	- - - - -	1/22-24	2/43	
8266	<b>T3-8-8266</b>	SU	9	16	+ + - + +	- - - - -	1/22-24	2/43	
8266	<b>T4A-9-8266</b>	SU	9	16	- - - - -	- - - - -			T5B-9-8266
8266	<b>T5B-9-8266</b>	SU	9	16	+ - + - -	- - - - -		3/45	
8266	<b>T5-9-8266</b>	SU	9	16	+ - + - -	- - - - -		3/45	
8267	<b>T0-9-8267</b>	SU	10	18	+ + - + +	- - - - -	1/25-02	2/81	
8267	<b>T3-9-8267</b>	SU	10	18	+ + - + +	- - - - -	1/25-02	2/81	
8267	<b>T4A-10-8267</b>	SU	10	18	- - - - -	- - - - -			T5B-10-8267
8267	<b>T5B-10-8267</b>	SU	10	18	+ - + - -	- - - - -		3/45	
8267	<b>T5-10-8267</b>	SU	10	18	+ - + - -	- - - - -		3/45	
8268	<b>T0-10-8268</b>	SU	11	20	+ + - + +	- - - - -	1/25-14	2/81	
8268	<b>T3-10-8268</b>	SU	11	20	+ + - + +	- - - - -	1/25-14	2/81	
8269	<b>T0-11-8269</b>	SU	12	22	+ + - + +	- - - - -	1/26-12	2/82	
8269	<b>T3-11-8269</b>	SU	12	22	+ + - + +	- - - - -	1/26-12	2/82	
8270	<b>T0-5-8270</b>	SU	3	9	+ + - + +	- - - - -	1/11-27	2/46	
8270	<b>T3-5-8270</b>	SU	3	9	+ + - + +	- - - - -	1/11-27	2/46	
8270	<b>T4A-5-8270</b>	SU	3	9	- - - - -	- - - - -			T5B-5-8270
8270	<b>T5B-5-8270</b>	SU	3	9	+ - + - -	- - - - -		3/50	
8270	<b>T5-5-8270</b>	SU	3	9	+ - + - -	- - - - -		3/50	
8271	<b>T0-6-8271</b>	SU	4	12	+ + - + +	- - - - -	1/16-04	2/46	
8271	<b>T3-6-8271</b>	SU	4	12	+ + - + +	- - - - -	1/16-04	2/46	
8271	<b>T4A-6-8271</b>	SU	4	12	- - - - -	- - - - -			T5B-6-8271
8271	<b>T5B-6-8271</b>	SU	4	12	+ - + - -	- - - - -		3/50	
8271	<b>T5-6-8271</b>	SU	4	12	+ - + - -	- - - - -		3/50	
8272	<b>T0-8-8272</b>	SU	5	15	+ + - + +	- - - - -	1/20-19	2/47	
8272	<b>T3-8-8272</b>	SU	5	15	+ + - + +	- - - - -	1/20-19	2/47	
8272	<b>T4A-8-8272</b>	SU	5	15	- - - - -	- - - - -			T5B-8-8272
8272	<b>T5B-8-8272</b>	SU	5	15	+ - + - -	- - - - -		3/51	
8272	<b>T5-8-8272</b>	SU	5	15	+ - + - -	- - - - -		3/51	
8273	<b>T0-9-8273</b>	SU	6	18	+ + - + +	- - - - -	1/24-18	2/85	
8273	<b>T3-9-8273</b>	SU	6	18	+ + - + +	- - - - -	1/24-18	2/85	
8273	<b>T4A-9-8273</b>	SU	6	18	- - - - -	- - - - -			T5B-9-8273
8273	<b>T5B-9-8273</b>	SU	6	18	+ - + - -	- - - - -		3/51	
8273	<b>T5-9-8273</b>	SU	6	18	+ - + - -	- - - - -		3/51	
8274	<b>T0-11-8274</b>	SU	7	21	+ + - + +	- - - - -	1/26-02	2/85	
8274	<b>T3-11-8274</b>	SU	7	21	+ + - + +	- - - - -	1/26-02	2/85	
8280	<b>T0-3-8280</b>	SU	3	6	+ + - + +	- - - - -	1/09-23	2/45	T0-3-8451
8280	<b>T3-3-8280</b>	SU	3	6	+ + - + +	- - - - -	1/09-23	2/45	T3-3-8451
8280	<b>T4A-3-8280</b>	SU	3	6	- - - - -	- - - - -			T5B-3-8280



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.				Con- tacts	/E /EZ /X /XZ /V/S /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8297	T3-3-8297	ST	2	6	+ + - + - + + -	- - - -	1/06-04	2/66	T3-3-8279
8297	T4A-3-8297	ST	2	6	- - - - - - - -	- - - -			T5B-3-8297
8297	T5B-3-8297	ST	2	6	+ - + - - + + -	- - - -		3/06,61	
8297	T5-3-8297	ST	2	6	+ - + - - + + -	- - - -		3/06,61	
8298	T0-4-8298	UW	2	8	+ + - + + + + -	- - - -	1/06-17	2/10	T0-4-8536
8298	T3-4-8298	UW	2	8	+ + - + - + + -	- - - -	1/06-17	2/10	T3-4-8536
8298	T4A-4-8298	UW	2	8	- - - - - - - -	- - - -			T5B-4-8298
8298	T5B-4-8298	UW	2	8	+ - + - - + + -	- - - -		3/10	
8298	T5-4-8298	UW	2	8	+ - + - - + + -	- - - -		3/10	
8299	T0-3-8299	UG	3	6	+ + - + + + + -	- - - -	1/09-32	2/08	
8299	T3-3-8299	UG	3	6	+ + - + - + + -	- - - -	1/09-32	2/08	
8299	T4A-3-8299	UG	3	6	- - - - - - - -	- - - -			T5B-3-8299
8299	T5B-3-8299	UG	3	6	+ - + - - + + -	- - - -		3/07	
8299	T5-3-8299	UG	3	6	+ - + - - + + -	- - - -		3/07	
8310	T0-1-8310	SU	3	2	+ + - + + + + -	- - - -	1/07-11	2/54	
8310	T3-1-8310	SU	3	2	+ + - + - + + -	- - - -	1/07-11	2/54	
8310	T4A-1-8310	SU	3	2	- - - - - - - -	- - - -			T5B-1-8310
8310	T5B-1-8310	SU	3	2	+ - + - - + + -	- - - -		3/57	
8310	T5-1-8310	SU	3	2	+ - + - - + + -	- - - -		3/57	
8311	T0-2-8311	SU	4	3	+ + - + + + + -	- - - -	1/13-25	2/54	
8311	T3-2-8311	SU	4	3	+ + - + - + + -	- - - -	1/13-25	2/54	
8311	T4A-2-8311	SU	4	3	- - - - - - - -	- - - -			T5B-2-8311
8311	T5B-2-8311	SU	4	3	+ - + - - + + -	- - - -		3/57	
8311	T5-2-8311	SU	4	3	+ - + - - + + -	- - - -		3/57	
8312	T0-2-8312	US	3	4	+ + - + + + + -	- - - -	1/08-27	2/57	
8312	T3-2-8312	US	3	4	+ + - + - + + -	- - - -	1/08-27	2/57	
8312	T4A-2-8312	US	3	4	- - - - - - - -	- - - -			T5B-2-8312
8312	T5B-2-8312	US	3	4	+ - + - - + + -	- - - -		3/59	
8312	T5-2-8312	US	3	4	+ - + - - + + -	- - - -		3/59	
8313	T0-3-8313	US	4	6	+ + - + + + + -	- - - -	1/14-32	2/57	
8313	T3-3-8313	US	4	6	+ + - + - + + -	- - - -	1/14-32	2/57	
8313	T4A-3-8313	US	4	6	- - - - - - - -	- - - -			T5B-3-8313
8313	T5B-3-8313	US	4	6	+ - + - - + + -	- - - -		3/59	
8313	T5-3-8313	US	4	6	+ - + - - + + -	- - - -		3/59	
8314	T0-3-8314	US	3	6	+ + - + + + + -	- - - -	1/09-33	2/57	
8314	T3-3-8314	US	3	6	+ + - + - + + -	- - - -	1/09-33	2/57	
8314	T4A-3-8314	US	3	6	- - - - - - - -	- - - -			T5B-3-8314
8314	T5B-3-8314	US	3	6	+ - + - - + + -	- - - -		3/59	
8314	T5-3-8314	US	3	6	+ - + - - + + -	- - - -		3/59	
8315	T0-5-8315	US	4	9	+ + - + + + + -	- - - -	1/15-19	2/57	
8315	T3-5-8315	US	4	9	+ + - + - + + -	- - - -	1/15-19	2/57	
8315	T4A-5-8315	US	4	9	- - - - - - - -	- - - -			T5B-5-8315
8315	T5B-5-8315	US	4	9	+ - + - - + + -	- - - -		3/59	
8315	T5-5-8315	US	4	9	+ - + - - + + -	- - - -		3/59	
8316	T0-2-8316	US	4	4	+ + - + + + + -	- - - -	1/14-09	2/35	
8316	T3-2-8316	US	4	4	+ + - + - + + -	- - - -	1/14-09	2/35	
8316	T4A-2-8316	US	4	4	- - - - - - - -	- - - -			T5B-2-8316
8316	T5B-2-8316	US	4	4	+ - + - - + + -	- - - -		3/37	
8316	T5-2-8316	US	4	4	+ - + - - + + -	- - - -		3/37	
8324	T0-2-8324	EA	2	4	+ + - + + + + -	+ - + +	1/05-02	2/04,06	
8324	T3-2-8324	EA	2	4	+ + - + - + + -	+ - + +	1/05-02	2/04,06	
8324	T4A-2-8324	E	2	4	- - - - - - - -	- - - -			T5B-2-8324
8324	T5B-2-8324	EA	2	4	+ - + - - + + -	+ - + +		3/05	
8324	T5-2-8324	EA	2	4	+ - + - - + + -	+ - + +		3/05	
8330	T0-1-8330	US	4	2	+ + - + + + + -	- - - -	1/13-15	2/57	
8330	T3-1-8330	US	4	2	+ + - + - + + -	- - - -	1/13-15	2/57	
8330	T4A-1-8330	US	4	2	- - - - - - - -	- - - -			T5B-1-8330

## Standardschaltungen Standard contact sequences / Schémas standards

1	2	3	4	5	6				7				8	9	10				
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif				
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8330	<b>T5B-1-8330</b>	US	4	2	+	-	+	-	-	+	+	-	-	-	-	-		3/59	
8330	<b>T5-1-8330</b>	US	4	2	+	-	+	-	-	+	-	+	-	-	-	-		3/59	
8331	<b>T0-2-8331</b>	US	4	4	+	+	-	+	+	+	+	-	-	-	-	-	1/14-10	2/57	
8331	<b>T3-2-8331</b>	US	4	4	+	+	-	+	-	+	+	-	-	-	-	-	1/14-10	2/57	
8331	<b>T4A-2-8331</b>	US	4	4	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-2-8331</b>
8331	<b>T5B-2-8331</b>	US	4	4	+	-	+	-	-	+	+	-	-	-	-	-		3/59	
8331	<b>T5-2-8331</b>	US	4	4	+	-	+	-	-	+	-	+	-	-	-	-		3/59	
8332	<b>T0-3-8332</b>	US	4	6	+	+	-	+	+	+	+	-	-	-	-	-	1/14-33	2/57	
8332	<b>T3-3-8332</b>	US	4	6	+	+	-	+	-	+	+	-	-	-	-	-	1/14-33	2/57	
8332	<b>T4A-3-8332</b>	US	4	6	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-3-8332</b>
8332	<b>T5B-3-8332</b>	US	4	6	+	-	+	-	-	+	+	-	-	-	-	-		3/59	
8332	<b>T5-3-8332</b>	US	4	6	+	-	+	-	-	+	-	+	-	-	-	-		3/59	
8340	<b>T0-2-8340</b>	US	5	3	+	+	-	+	+	+	+	-	-	-	-	-	1/17-19	2/57	
8340	<b>T3-2-8340</b>	US	5	3	+	+	-	+	-	+	+	-	-	-	-	-	1/17-19	2/57	
8340	<b>T4A-3-8340</b>	US	5	3	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-3-8340</b>
8340	<b>T5B-3-8340</b>	US	5	3	+	-	+	-	-	+	+	-	-	-	-	-		3/59	
8340	<b>T5-3-8340</b>	US	5	3	+	-	+	-	-	+	-	+	-	-	-	-		3/59	
8341	<b>T0-3-8341</b>	EA	2	5	+	+	-	+	+	+	+	-	+	-	+	+	1/05-22	2/05	
8341	<b>T3-3-8341</b>	EA	2	5	+	+	-	+	-	+	+	-	+	-	+	+	1/05-22	2/05	
8341	<b>T4A-3-8341</b>	EA	2	5	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-3-8341</b>
8341	<b>T5B-3-8341</b>	EA	2	5	+	-	+	-	-	+	+	-	+	-	+	+		3/02	
8341	<b>T5-3-8341</b>	EA	2	5	+	-	+	-	-	+	-	+	-	+	+	+		3/02	
8342	<b>T0-3-8342</b>	EA	2	6	+	+	-	+	+	+	+	-	+	-	+	+	1/05-26	2/05	
8342	<b>T3-3-8342</b>	EA	2	6	+	+	-	+	-	+	+	-	+	-	+	+	1/05-26	2/05	
8342	<b>T4A-3-8342</b>	EA	2	6	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-3-8342</b>
8342	<b>T5B-3-8342</b>	EA	2	6	+	-	+	-	-	+	+	-	+	-	+	+		3/02,04	
8342	<b>T5-3-8342</b>	EA	2	6	+	-	+	-	-	+	-	+	-	+	+	+		3/02,04	
8343	<b>T0-4-8343</b>	EA	2	7	+	+	-	+	+	+	+	-	+	-	+	+	1/06-05	2/05	
8343	<b>T3-4-8343</b>	EA	2	7	+	+	-	+	-	+	+	-	+	-	+	+	1/06-05	2/05	
8343	<b>T4A-4-8343</b>	EA	2	7	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-4-8343</b>
8343	<b>T5B-4-8343</b>	EA	2	7	+	-	+	-	-	+	+	-	+	-	+	+		3/02	
8343	<b>T5-4-8343</b>	EA	2	7	+	-	+	-	-	+	-	+	-	+	+	+		3/02	
8344	<b>T0-4-8344</b>	EA	2	8	+	+	-	+	+	+	+	-	+	-	+	+	1/06-07	2/05	
8344	<b>T3-4-8344</b>	EA	2	8	+	+	-	+	-	+	+	-	+	-	+	+	1/06-07	2/05	
8344	<b>T4A-4-8344</b>	EA	2	8	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-4-8344</b>
8344	<b>T5B-4-8344</b>	EA	2	8	+	-	+	-	-	+	+	-	+	-	+	+		3/02	
8344	<b>T5-4-8344</b>	EA	2	8	+	-	+	-	-	+	-	+	-	+	+	+		3/02	
8345	<b>T0-5-8345</b>	EA	2	9	+	+	-	+	+	+	-	-	-	-	-	-	1/06-18	2/05	
8345	<b>T3-5-8345</b>	EA	2	9	+	+	-	+	-	+	-	-	-	-	+	+	1/06-18	2/05	
8345	<b>T4A-5-8345</b>	EA	2	9	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-5-8345</b>
8345	<b>T5B-5-8345</b>	EA	2	9	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8345	<b>T5-5-8345</b>	EA	2	9	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8346	<b>T0-5-8346</b>	EA	2	10	+	+	-	+	+	+	-	-	-	-	-	-	1/06-22	2/05	
8346	<b>T3-5-8346</b>	EA	2	10	+	+	-	+	-	+	-	-	-	-	+	+	1/06-22	2/05	
8346	<b>T4A-5-8346</b>	EA	2	10	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-5-8346</b>
8346	<b>T5B-5-8346</b>	EA	2	10	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8346	<b>T5-5-8346</b>	EA	2	10	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8347	<b>T0-6-8347</b>	EA	2	11	+	+	-	+	+	+	-	-	-	-	-	-	1/06-24	2/05	
8347	<b>T3-6-8347</b>	EA	2	11	+	+	-	+	-	+	-	-	-	-	+	+	1/06-24	2/05	
8347	<b>T4A-6-8347</b>	EA	2	11	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-6-8347</b>
8347	<b>T5B-6-8347</b>	EA	2	11	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8347	<b>T5-6-8347</b>	EA	2	11	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8348	<b>T0-6-8348</b>	EA	2	12	+	+	-	+	+	+	-	-	-	-	-	-	1/06-25	2/05	
8348	<b>T3-6-8348</b>	EA	2	12	+	+	-	+	-	+	-	-	-	-	+	+	1/06-25	2/05	
8348	<b>T4A-6-8348</b>	EA	2	12	-	-	-	-	-	-	-	-	-	-	-	-			<b>T5B-6-8348</b>
8348	<b>T5B-6-8348</b>	EA	2	12	+	-	+	-	-	+	-	-	-	-	+	+		3/02	
8348	<b>T5-6-8348</b>	EA	2	12	+	-	+	-	-	+	-	-	-	-	+	+		3/02	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6						7					8		9		10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Contacts	Bauformen Mounting form Type de montage						Hauptschalter Main switch Interrupteur général					Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif		
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page		
8363	T5B-7-8363	UG	3	14	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8363	T5-7-8363	UG	3	14	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8364	T0-8-8364	UG	3	16	+	+	-	+	+	+	-	-	-	-	-	-	1/13-07	2/08		
8364	T3-8-8364	UG	3	16	+	+	-	+	+	+	-	-	-	-	-	-	1/13-07	2/08		
8364	T4A-8-8364	UG	3	16	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-8-8364
8364	T5B-8-8364	UG	3	16	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8364	T5-8-8364	UG	3	16	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8365	T0-9-8365	UG	3	18	+	+	-	+	+	+	-	-	-	-	-	-	1/24-13	2/78		
8365	T3-9-8365	UG	3	18	+	+	-	+	-	+	-	-	-	-	-	-	1/24-13	2/78		
8365	T4A-9-8365	UG	3	18	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-9-8365
8365	T5B-9-8365	UG	3	18	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8365	T5-9-8365	UG	3	18	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8366	T0-10-8366	UG	3	20	+	+	-	+	+	+	-	-	-	-	-	-	1/25-06	2/78		
8366	T3-10-8366	UG	3	20	+	+	-	+	-	+	-	-	-	-	-	-	1/25-06	2/78		
8366	T4A-10-8366	UG	3	20	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-10-8366
8366	T5B-10-8366	UG	3	20	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8366	T5-10-8366	UG	3	20	+	-	+	-	-	+	-	-	-	-	-	-			3/07	
8367	T0-11-8367	UG	3	22	+	+	-	+	+	+	-	-	-	-	-	-	1/26-08	2/78		
8367	T3-11-8367	UG	3	22	+	+	-	+	-	+	-	-	-	-	-	-	1/26-08	2/78		
8369	T0-5-8369	UW	2	10	+	+	-	+	+	+	-	-	-	-	-	-	1/06-23	2/07		
8369	T3-5-8369	UW	2	10	+	+	-	+	-	+	-	-	-	-	-	-	1/06-23	2/07		
8369	T4A-5-8369	UW	2	10	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-5-8369
8369	T5B-5-8369	UW	2	10	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8369	T5-5-8369	UW	2	10	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8370	T0-6-8370	UW	2	12	+	+	-	+	+	+	-	-	-	-	-	-	1/06-28	2/07		
8370	T3-6-8370	UW	2	12	+	+	-	+	-	+	-	-	-	-	-	-	1/06-28	2/07		
8370	T4A-6-8370	UW	2	12	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-6-8370
8370	T5B-6-8370	UW	2	12	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8370	T5-6-8370	UW	2	12	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8371	T0-7-8371	UW	2	14	+	+	-	+	+	+	-	-	-	-	-	-	1/07-02	2/07		
8371	T3-7-8371	UW	2	14	+	+	-	+	-	+	-	-	-	-	-	-	1/07-02	2/07		
8371	T4A-7-8371	UW	2	14	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-7-8371
8371	T5B-7-8371	UW	2	14	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8371	T5-7-8371	UW	2	14	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8372	T0-8-8372	UW	2	16	+	+	-	+	+	+	-	-	-	-	-	-	1/07-05	2/07		
8372	T3-8-8372	UW	2	16	+	+	-	+	-	+	-	-	-	-	-	-	1/07-05	2/07		
8372	T4A-8-8372	UW	2	16	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-8-8372
8372	T5B-8-8372	UW	2	16	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8372	T5-8-8372	UW	2	16	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8373	T0-9-8373	UW	2	18	+	+	-	+	+	+	-	-	-	-	-	-	1/24-12	2/78		
8373	T3-9-8373	UW	2	18	+	+	-	+	-	+	-	-	-	-	-	-	1/24-12	2/78		
8373	T4A-9-8373	UW	2	18	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-9-8373
8373	T5B-9-8373	UW	2	18	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8373	T5-9-8373	UW	2	18	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8374	T0-10-8374	UW	2	20	+	+	-	+	+	+	-	-	-	-	-	-	1/25-05	2/78		
8374	T3-10-8374	UW	2	20	+	+	-	+	-	+	-	-	-	-	-	-	1/25-05	2/78		
8374	T4A-10-8374	UW	2	20	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-10-8374
8374	T5B-10-8374	UW	2	20	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8374	T5-10-8374	UW	2	20	+	-	+	-	-	+	-	-	-	-	-	-			3/06	
8375	T0-11-8375	UW	2	22	+	+	-	+	+	+	-	-	-	-	-	-	1/26-07	2/78		
8375	T3-11-8375	UW	2	22	+	+	-	+	-	+	-	-	-	-	-	-	1/26-07	2/78		
8400	T0-2-8400	W	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/08-18	2/11		
8400	T3-2-8400	W	3	4	+	+	-	+	-	+	+	-	-	-	-	-	1/08-18	2/11		
8400	T4A-2-8400	W	3	4	-	-	-	-	-	-	-	-	-	-	-	-			→	T5B-2-8400
8400	T5B-2-8400	W	3	4	+	-	+	-	-	+	+	-	-	-	-	-			3/11	
8400	T5-2-8400	W	3	4	+	-	+	-	-	+	-	+	-	-	-	-			3/11	
8401	T0-3-8401	W	3	5	+	+	-	+	+	+	+	-	-	-	-	-	1/09-11	2/11		

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page	
8401	T3-3-8401	W	3	5	+ + - + - + + -	- - - -	1/09-11	2/11	
8401	T4A-3-8401	W	3	5	- - - - - - - -	- - - -			T5B-3-8401
8401	T5B-3-8401	W	3	5	+ - + - - + + -	- - - -		3/11	
8401	T5-3-8401	W	3	5	+ - + - - + + -	- - - -		3/11	
8402	T0-4-8402	W	5	7	+ + - + + + + -	- - - -	1/18-09	2/12	
8402	T3-4-8402	W	5	7	+ + - + - + + -	- - - -	1/18-09	2/12	
8410	T0-4-8410	YD	3	8	+ + - + + + + -	- - - -	1/11-03	2/13	
8410	T3-4-8410	YD	3	8	+ + - + - + + -	- - - -	1/11-03	2/13	
8410	T4A-4-8410	YD	3	8	- - - - - - - -	- - - -			T5B-4-8410
8410	T5B-4-8410	YD	3	8	+ - + - - + + -	- - - -		3/13	
8410	T5-4-8410	YD	3	8	+ - + - - + + -	- - - -		3/13	
8416	T0-5-8416	YD	3	9	+ + - + + + - -	- - - -	1/12-02		
8416	T3-5-8416	YD	3	9	+ + - + - + - -	- - - -	1/12-02		
8417	T0-4-8417	YD	3	8	+ + - + + + + -	- - - -	1/11-10	2/15	
8417	T3-4-8417	YD	3	8	+ + - + - + + -	- - - -	1/11-10	2/15	
8417	T4A-4-8417	YD	3	8	- - - - - - - -	- - - -			T5B-4-8417
8417	T5B-4-8417	YD	3	8	+ - + - - + + -	- - - -		3/16	
8417	T5-4-8417	YD	3	8	+ - + - - + + -	- - - -		3/16	
8418	T0-4-8418	YD	3	8	+ + - + + + + -	- - - -	1/11-08	2/13	
8418	T3-4-8418	YD	3	8	+ + - + - + + -	- - - -	1/11-08	2/13	
8418	T4A-4-8418	YD	3	8	- - - - - - - -	- - - -			T5B-4-8418
8418	T5B-4-8418	YD	3	8	+ - + - - + + -	- - - -		3/13	
8418	T5-4-8418	YD	3	8	+ - + - - + + -	- - - -		3/13	
8419	T0-4-8419	YD	3	7	+ + - + + + + -	- - - -	1/10-19	2/13	
8419	T3-4-8419	YD	3	7	+ + - + - + + -	- - - -	1/10-19	2/13	
8419	T4A-4-8419	YD	3	7	- - - - - - - -	- - - -			T5B-4-8419
8419	T5B-4-8419	YD	3	7	+ - + - - + + -	- - - -		3/13	
8419	T5-4-8419	YD	3	7	+ - + - - + + -	- - - -		3/13	
8420	T0-7-8420	YD	5	12	+ + - + + + - -	- - - -	1/18-30		
8420	T3-7-8420	YD	5	12	+ + - + - + - -	- - - -	1/18-30		
8420	T4A-7-8420	YD	5	12	- - - - - - - -	- - - -			T5B-7-8420
8420	T5B-7-8420	YD	5	12	+ - + - - + - -	- - - -			
8420	T5-7-8420	YD	5	12	+ - + - - + - -	- - - -			
8425	T0-2-8425	HP	3	3	+ + - + + + + -	- - - -	1/08-11	2/32	
8425	T3-2-8425	HP	3	3	+ + - + - + + -	- - - -	1/08-11	2/32	
8425	T4A-2-8425	HP	3	3	- - - - - - - -	- - - -			T5B-2-8425
8425	T5B-2-8425	HP	3	3	+ - + - - + + -	- - - -		3/35	
8425	T5-2-8425	HP	3	3	+ - + - - + + -	- - - -		3/35	
8426	T0-3-8426	HP	5	6	+ + - + + + + -	- - - -	1/18-03	2/32	
8426	T3-3-8426	HP	5	6	+ + - + - + + -	- - - -	1/18-03	2/32	
8426	T4A-3-8426	HP	5	6	- - - - - - - -	- - - -			T5B-3-8426
8426	T5B-3-8426	HP	5	6	+ - + - - + + -	- - - -		3/35	
8426	T5-3-8426	HP	5	6	+ - + - - + + -	- - - -		3/35	
8439	T0-4-8439	PD	3	8	+ + - + + + + -	- - - -	1/11-09	2/17	
8439	T3-4-8439	PD	3	8	+ + - + - + + -	- - - -	1/11-09	2/17	
8439	T4A-4-8439	PD	3	8	- - - - - - - -	- - - -			T5B-4-8439
8439	T5B-4-8439	PD	3	8	+ - + - - + + -	- - - -		3/18	
8439	T5-4-8439	PD	3	8	+ - + - - + + -	- - - -		3/18	
8440	T0-4-8440	PD	3	8	+ + - + + + + -	- - - -	1/11-05	2/17	
8440	T3-4-8440	PD	3	8	+ + - + - + + -	- - - -	1/11-05	2/17	
8440	T4A-4-8440	PD	3	8	- - - - - - - -	- - - -			T5B-4-8440
8440	T5B-4-8440	PD	3	8	+ - + - - + + -	- - - -		3/18	
8440	T5-4-8440	PD	3	8	+ - + - - + + -	- - - -		3/18	
8441	T0-4-8441	PD	3	8	+ + - + + + + -	- - - -	1/11-04	2/19	
8441	T3-4-8441	PD	3	8	+ + - + - + + -	- - - -	1/11-04	2/19	
8441	T4A-4-8441	PD	3	8	- - - - - - - -	- - - -			T5B-4-8441
8441	T5B-4-8441	PD	3	8	+ - + - - + + -	- - - -		3/20	





# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8457	T3-6-8457	SU	4	11	+ + - + - + - -	- - - - -	1/16-10		
8457	T4A-6-8457	SU	4	11	- - - - -	- - - - -			T5B-6-8457
8457	T5B-6-8457	SU	4	11	+ - + - - + - -	- - - - -			
8457	T5-6-8457	SU	4	11	+ - + - - + - -	- - - - -			
8458	T0-8-8458	UP	7	15	+ + - + + + - -	- - - - -	1/21-18	2/30	
8458	T3-8-8458	UP	7	15	+ + - + + + - -	- - - - -	1/21-18	2/30	
8458	T4A-9-8458	UP	7	15	- - - - -	- - - - -			T5B-9-8458
8458	T5B-9-8458	UP	7	15	+ - + - - + - -	- - - - -		3/31	
8458	T5-9-8458	UP	7	15	+ - + - - + - -	- - - - -		3/31	
8459	T0-6-8459	UP	4	11	+ + - + + + - -	- - - - -	1/16-12	2/26	
8459	T3-6-8459	UP	4	11	+ + - + + + - -	- - - - -	1/16-12	2/26	
8459	T4A-6-8459	UP	4	11	- - - - -	- - - - -			T5B-6-8459
8459	T5B-6-8459	UP	4	11	+ - + - - + - -	- - - - -		3/27	
8459	T5-6-8459	UP	4	11	+ - + - - + - -	- - - - -		3/27	
8460	T0-8-8460	UP	7	15	+ + - + + + - -	- - - - -	1/21-15	2/30	
8460	T3-8-8460	UP	7	15	+ + - + + + - -	- - - - -	1/21-15	2/30	
8460	T4A-8-8460	UP	7	15	- - - - -	- - - - -			T5B-8-8460
8460	T5B-8-8460	UP	7	15	+ - + - - + - -	- - - - -		3/31	
8460	T5-8-8460	UP	7	15	+ - + - - + - -	- - - - -		3/31	
8464	T0-6-8464	SP	6	11	+ + - + + + - -	- - - - -	1/20-14	2/77	
8464	T3-6-8464	SP	6	11	+ + - + + + - -	- - - - -	1/20-14	2/77	
8476	T0-6-8476	SU	3	12	+ + - + + + - -	- - - - -	1/12-23	2/47	
8476	T3-6-8476	SU	3	12	+ + - + + + - -	- - - - -	1/12-23	2/47	
8476	T4A-6-8476	SU	3	12	- - - - -	- - - - -			T5B-6-8476
8476	T5B-6-8476	SU	3	12	+ - + - - + - -	- - - - -		3/52	
8476	T5-6-8476	SU	3	12	+ - + - - + - -	- - - - -		3/52	
8477	T0-8-8477	SU	4	16	+ + - + + + - -	- - - - -	1/17-16	2/47	
8477	T3-8-8477	SU	4	16	+ + - + + + - -	- - - - -	1/17-16	2/47	
8477	T4A-8-8477	SU	4	16	- - - - -	- - - - -			T5B-8-8477
8477	T5B-8-8477	SU	4	16	+ - + - - + - -	- - - - -		3/53	
8477	T5-8-8477	SU	4	16	+ - + - - + - -	- - - - -		3/53	
8478	T0-10-8478	SU	5	20	+ + - + + + - -	- - - - -	1/25-08	2/86	
8478	T3-10-8478	SU	5	20	+ + - + + + - -	- - - - -	1/25-08	2/86	
8478	T4A-10-8478	SU	5	20	- - - - -	- - - - -			T5B-10-8478
8478	T5B-10-8478	SU	5	20	+ - + - - + - -	- - - - -		3/53	
8478	T5-10-8478	SU	5	20	+ - + - - + - -	- - - - -		3/53	
8480	T0-4-8480	SU	3	8	+ + - + + + - -	- - - - -	1/11-06	2/47	
8480	T3-4-8480	SU	3	8	+ + - + + + - -	- - - - -	1/11-06	2/47	
8480	T4A-4-8480	SU	3	8	- - - - -	- - - - -			T5B-4-8480
8480	T5B-4-8480	SU	3	8	+ - + - - + + -	- - - - -		3/08,52	
8480	T5-4-8480	SU	3	8	+ - + - - + + -	- - - - -		3/08,52	
8481	T0-6-8481	SU	4	12	+ + - + + + - -	- - - - -	1/16-13	2/47	
8481	T3-6-8481	SU	4	12	+ + - + + + - -	- - - - -	1/16-13	2/47	
8481	T4A-6-8481	SU	4	12	- - - - -	- - - - -			T5B-6-8481
8481	T5B-6-8481	SU	4	12	+ - + - - + - -	- - - - -		3/52	
8481	T5-6-8481	SU	4	12	+ - + - - + - -	- - - - -		3/52	
8482	T0-8-8482	SU	5	16	+ + - + + + - -	- - - - -	1/19-14	2/47	
8482	T3-8-8482	SU	5	16	+ + - + + + - -	- - - - -	1/19-14	2/47	
8482	T4A-10-8482	SU	5	16	- - - - -	- - - - -			T5B-10-8482
8482	T5B-10-8482	SU	5	16	+ - + - - + - -	- - - - -		3/52	
8482	T5-10-8482	SU	5	16	+ - + - - + - -	- - - - -		3/52	
8483	T0-10-8483	SU	6	20	+ + - + + + - -	- - - - -	1/25-10	2/86	
8483	T3-10-8483	SU	6	20	+ + - + + + - -	- - - - -	1/25-10	2/86	
8484	T0-8-8484	SU	3	15	+ + - + + + - -	- - - - -	1/13-05	2/48	
8484	T3-8-8484	SU	3	15	+ + - + + + - -	- - - - -	1/13-05	2/48	
8484	T4A-8-8484	SU	3	15	- - - - -	- - - - -			T5B-8-8484
8484	T5B-8-8484	SU	3	15	+ - + - - + - -	- - - - -		3/54	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2		3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte		Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.						/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8521	T0-2-8521	ST	3	4		+ + - + + + + -	- - - -	1/08-39	2/70	
8521	T3-2-8521	ST	3	4		+ + - + - + + -	- - - -	1/08-39	2/70	
8527	T0-2-8527	SE	3	4		+ + - + + + + -	- - - -	1/08-31	2/72	
8527	T3-2-8527	SE	3	4		+ + - + - + + -	- - - -	1/08-31	2/72	
8529	T0-6-8529	SE	2	12		+ + - + + + + -	- - - -	1/06-29	2/73	
8529	T3-6-8529	SE	2	12		+ + - + - + + -	- - - -	1/06-29	2/73	
8531	T0-5-8531	SE	3	10		+ + - + + + + -	- - - -	1/12-13	2/73	
8531	T3-5-8531	SE	3	10		+ + - + - + + -	- - - -	1/12-13	2/73	
8532	T0-5-8532	MU	4	9		+ + - + + + + -	- - - -	1/15-26	2/64	
8532	T3-5-8532	MU	4	9		+ + - + - + + -	- - - -	1/15-26	2/64	
8533	T0-5-8533	SE	6	10		+ + - + + + + -	- - - -	1/20-10	2/74	
8533	T3-5-8533	SE	6	10		+ + - + - + + -	- - - -	1/20-10	2/74	
8535	T0-5-8535	SE	4	10		+ + - + + + + -	- - - -	1/15-30	2/74	
8535	T3-5-8535	SE	4	10		+ + - + - + + -	- - - -	1/15-30	2/74	
8536	T0-4-8536	ST	2	8		+ + - + + + + -	- - - -	1/06-16	2/66	
8536	T3-4-8536	ST	2	8		+ + - + - + + -	- - - -	1/06-16	2/66	
8537	T0-2-8537	SE	2	4		+ + - + + + + -	- - - -	1/05-19	2/74	
8537	T3-2-8537	SE	2	4		+ + - + - + + -	- - - -	1/05-19	2/74	
8566	T0-1-8566	US	4	2		+ + - + + + + -	- - - -	1/13-22	2/75	T0-1-15113
8566	T3-1-8566	US	4	2		+ + - + - + + -	- - - -	1/13-22	2/75	T3-1-15113
8601	T0-6-8601	UP	4	12		+ + - + + + + -	- - - -	1/16-15	2/27	
8601	T3-6-8601	UP	4	12		+ + - + - + + -	- - - -	1/16-15	2/27	
8601	T4A-6-8601	UP	4	12		- - - - - - - -	- - - -			T5B-6-8601
8601	T5B-6-8601	UP	4	12		+ - + - - + - -	- - - -		3/28	
8601	T5-6-8601	UP	4	12		+ - + - - + - -	- - - -		3/28	
8602	T0-6-8602	UP	4	12		+ + - + + + + -	- - - -	1/16-16	2/27	
8602	T3-6-8602	UP	4	12		+ + - + - + + -	- - - -	1/16-16	2/27	
8602	T4A-6-8602	UP	4	12		- - - - - - - -	- - - -			T5B-6-8602
8602	T5B-6-8602	UP	4	12		+ - + - - + - -	- - - -		3/28	
8602	T5-6-8602	UP	4	12		+ - + - - + - -	- - - -		3/28	
8603	T0-6-8603	UP	4	12		+ + - + + + + -	- - - -	1/16-17	2/27	
8603	T3-6-8603	UP	4	12		+ + - + - + + -	- - - -	1/16-17	2/27	
8604	T0-8-8604	UP	5	16		+ + - + + + + -	- - - -	1/19-15	2/31	
8604	T3-8-8604	UP	5	16		+ + - + - + + -	- - - -	1/19-15	2/31	
8605	T0-6-8605	UP	4	12		+ + - + + + + -	- - - -	1/16-18	2/28	
8605	T3-6-8605	UP	4	12		+ + - + - + + -	- - - -	1/16-18	2/28	
8605	T4A-6-8605	UP	4	12		- - - - - - - -	- - - -			T5B-6-8605
8605	T5B-6-8605	UP	4	12		+ - + - - + - -	- - - -		3/29	
8605	T5-6-8605	UP	4	12		+ - + - - + - -	- - - -		3/29	
8606	T0-7-8606	UP	4	13		+ + - + + + + -	- - - -	1/17-02	2/28	
8606	T3-7-8606	UP	4	13		+ + - + - + + -	- - - -	1/17-02	2/28	
8606	T4A-7-8606	UP	4	13		- - - - - - - -	- - - -			T5B-7-8606
8606	T5B-7-8606	UP	4	13		+ - + - - + - -	- - - -		3/29	
8606	T5-7-8606	UP	4	13		+ - + - - + - -	- - - -		3/29	
8607	T0-6-8607	UP	4	12		+ + - + + + + -	- - - -	1/16-19	2/28	
8607	T3-6-8607	UP	4	12		+ + - + - + + -	- - - -	1/16-19	2/28	
8607	T4A-6-8607	UP	4	12		- - - - - - - -	- - - -			T5B-6-8607
8607	T5B-6-8607	UP	4	12		+ - + - - + - -	- - - -		3/29	
8607	T5-6-8607	UP	4	12		+ - + - - + - -	- - - -		3/29	
8608	T0-7-8608	UP	4	13		+ + - + + + + -	- - - -	1/17-03	2/28	
8608	T3-7-8608	UP	4	13		+ + - + - + + -	- - - -	1/17-03	2/28	
8608	T4A-7-8608	UP	4	13		- - - - - - - -	- - - -			T5B-7-8608
8608	T5B-7-8608	UP	4	13		+ - + - - + - -	- - - -		3/29	
8608	T5-7-8608	UP	4	13		+ - + - - + - -	- - - -		3/29	
8609	T0-6-8609	UP	4	12		+ + - + + + + -	- - - -	1/16-20	2/28	
8609	T3-6-8609	UP	4	12		+ + - + - + + -	- - - -	1/16-20	2/28	
8609	T4A-6-8609	UP	4	12		- - - - - - - -	- - - -			T5B-6-8609



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
8871	<b>T0-2-8871</b>	US	4	3	+ + - + + + + -	- - - -	1/13-27	2/56	
8871	<b>T3-2-8871</b>	US	4	3	+ + - + - + + -	- - - -	1/13-27	2/56	
15002	<b>T0-1-15002</b>	SU	2	2	+ + - + + + + -	- - - -		2/51	T0-1-8046
15002	<b>T3-1-15002</b>	SU	2	2	+ + - + - + + -	- - - -		2/51	T3-1-8046
15002	<b>T4A-1-15002</b>	SU	2	2	- - - - - - - -	- - - -			T5B-1-15002
15002	<b>T5B-1-15002</b>	SU	2	2	+ - + - - + + -	- - - -		3/56	
15002	<b>T5-1-15002</b>	SU	2	2	+ - + - - + + +	- - - -		3/56	
15003	<b>T0-2-15003</b>	SU	3	3	+ + - + + + + -	- - - -	1/08-07	2/51	
15003	<b>T3-2-15003</b>	SU	3	3	+ + - + - + + -	- - - -	1/08-07	2/51	
15003	<b>T4A-2-15003</b>	SU	3	3	- - - - - - - -	- - - -			T5B-2-15003
15003	<b>T5B-2-15003</b>	SU	3	3	+ - + - - + + -	- - - -		3/56	
15003	<b>T5-2-15003</b>	SU	3	3	+ - + - - + + +	- - - -		3/56	
15004	<b>T0-2-15004</b>	SU	4	4	+ + - + + + + -	- - - -	1/14-17	2/51	
15004	<b>T3-2-15004</b>	SU	4	4	+ + - + - + + -	- - - -	1/14-17	2/51	
15005	<b>T0-3-15005</b>	SU	5	5	+ + - + + + + -	- - - -	1/17-30	2/51	
15005	<b>T3-3-15005</b>	SU	5	5	+ + - + - + + -	- - - -	1/17-30	2/51	
15006	<b>T0-3-15006</b>	SU	6	6	+ + - + + + + -	- - - -	1/20-06	2/51	
15006	<b>T3-3-15006</b>	SU	6	6	+ + - + - + + -	- - - -	1/20-06	2/51	
15007	<b>T0-4-15007</b>	SU	7	7	+ + - + + + + -	- - - -	1/21-06	2/51	
15007	<b>T3-4-15007</b>	SU	7	7	+ + - + - + + -	- - - -	1/21-06	2/51	
15008	<b>T0-4-15008</b>	SU	8	8	+ + - + + + + -	- - - -	1/22-01	2/51	
15008	<b>T3-4-15008</b>	SU	8	8	+ + - + - + + -	- - - -	1/22-01	2/51	
15009	<b>T0-2-15009</b>	SU	2	4	+ + - + + + + -	- - - -	1/05-14	2/52	
15009	<b>T3-2-15009</b>	SU	2	4	+ + - + - + + -	- - - -	1/05-14	2/52	
15009	<b>T4A-2-15009</b>	SU	2	4	- - - - - - - -	- - - -			T5B-2-15009
15009	<b>T5B-2-15009</b>	SU	2	4	+ - + - - + + -	- - - -		3/56	
15009	<b>T5-2-15009</b>	SU	2	4	+ - + - - + + +	- - - -		3/56	
15010	<b>T0-3-15010</b>	SU	3	6	+ + - + + + + -	- - - -	1/10-14	2/52	
15010	<b>T3-3-15010</b>	SU	3	6	+ + - + - + + -	- - - -	1/10-14	2/52	
15011	<b>T0-4-15011</b>	SU	4	8	+ + - + + + + -	- - - -	1/15-16	2/52	
15011	<b>T3-4-15011</b>	SU	4	8	+ + - + - + + -	- - - -	1/15-16	2/52	
15012	<b>T0-5-15012</b>	SU	5	10	+ + - + + + + -	- - - -	1/18-22	2/52	
15012	<b>T3-5-15012</b>	SU	5	10	+ + - + - + + -	- - - -	1/18-22	2/52	
15013	<b>T0-6-15013</b>	SU	6	12	+ + - + + + + -	- - - -	1/20-17	2/52	
15013	<b>T3-6-15013</b>	SU	6	12	+ + - + - + + -	- - - -	1/20-17	2/52	
15014	<b>T0-7-15014</b>	SU	7	14	+ + - + + + + -	- - - -	1/21-14	2/53	
15014	<b>T3-7-15014</b>	SU	7	14	+ + - + - + + -	- - - -	1/21-14	2/53	
15015	<b>T0-8-15015</b>	SU	8	16	+ + - + + + + -	- - - -	1/22-15	2/53	
15015	<b>T3-8-15015</b>	SU	8	16	+ + - + - + + -	- - - -	1/22-15	2/53	
15015	<b>T4A-8-15015</b>	SU	8	16	- - - - - - - -	- - - -			T5B-8-15015
15015	<b>T5B-8-15015</b>	SU	8	16	+ - + - - + + -	- - - -		3/56	
15015	<b>T5-8-15015</b>	SU	8	16	+ - + - - + + +	- - - -		3/56	
15016	<b>T0-3-15016</b>	SU	2	6	+ + - + + + + -	- - - -	1/06-03	2/53	
15016	<b>T3-3-15016</b>	SU	2	6	+ + - + - + + -	- - - -	1/06-03	2/53	
15017	<b>T0-5-15017</b>	SU	3	9	+ + - + + + + -	- - - -	1/12-03	2/53	
15017	<b>T3-5-15017</b>	SU	3	9	+ + - + - + + -	- - - -	1/12-03	2/53	
15018	<b>T0-6-15018</b>	SU	4	12	+ + - + + + + -	- - - -	1/16-28	2/53	
15018	<b>T3-6-15018</b>	SU	4	12	+ + - + - + + -	- - - -	1/16-28	2/53	
15019	<b>T0-8-15019</b>	SU	5	15	+ + - + + + + -	- - - -	1/19-13	2/53	
15019	<b>T3-8-15019</b>	SU	5	15	+ + - + - + + -	- - - -	1/19-13	2/53	
15019	<b>T4A-8-15019</b>	SU	5	15	- - - - - - - -	- - - -			T5B-8-15019
15019	<b>T5B-8-15019</b>	SU	5	15	+ - + - - + + -	- - - -		3/56	
15019	<b>T5-8-15019</b>	SU	5	15	+ - + - - + + +	- - - -		3/56	
15020	<b>T0-9-15020</b>	SU	6	18	+ + - + + + + -	- - - -	1/24-16	2/88	
15020	<b>T3-9-15020</b>	SU	6	18	+ + - + - + + -	- - - -	1/24-16	2/88	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15044	<b>T3-2-15044</b>	UG	4	4	+ + - + - + + -	- - - -	1/14-22	2/75	
15044	<b>T4A-2-15044</b>	UG	4	4	- - - - - - - -	- - - -			T5B-2-15044
15044	<b>T5B-2-15044</b>	UG	4	4	+ - + - - - + +	- - - -		3/09,65	
15044	<b>T5-2-15044</b>	UG	4	4	+ - + - - - + +	- - - -		3/09,65	
15045	<b>T0-3-15045</b>	UG	4	6	+ + - + + + + -	- - - -	1/15-03	2/75	
15045	<b>T3-3-15045</b>	UG	4	6	+ + - + - + + -	- - - -	1/15-03	2/75	
15045	<b>T4A-3-15045</b>	UG	4	6	- - - - - - - -	- - - -			T5B-3-15045
15045	<b>T5B-3-15045</b>	UG	4	6	+ - + - - - + +	- - - -		3/09,65	
15045	<b>T5-3-15045</b>	UG	4	6	+ - + - - - + +	- - - -		3/09,65	
15046	<b>T0-1-15046</b>	US	4	2	+ + - + + + + -	- - - -	1/13-19	2/75	T0-1-15113
15046	<b>T3-1-15046</b>	US	4	2	+ + - + - + + -	- - - -	1/13-19	2/75	T3-1-15113
15047	<b>T0-2-15047</b>	US	4	4	+ + - + + + + -	- - - -	1/14-26	2/75	T0-2-15114
15047	<b>T3-2-15047</b>	US	4	4	+ + - + - + + -	- - - -	1/14-26	2/75	T3-2-15114
15048	<b>T0-1-15048</b>	US	4	2	+ + - + + + + -	- - - -	1/13-20	2/75	T0-1-15111
15048	<b>T3-1-15048</b>	US	4	2	+ + - + - + + -	- - - -	1/13-20	2/75	T3-1-15111
15049	<b>T0-2-15049</b>	US	4	4	+ + - + + + + -	- - - -	1/14-21		
15049	<b>T3-2-15049</b>	US	4	4	+ + - + - + + -	- - - -	1/14-21		
15050	<b>T0-3-15050</b>	US	4	6	+ + - + + + + -	- - - -	1/15-05		
15050	<b>T3-3-15050</b>	US	4	6	+ + - + - + + -	- - - -	1/15-05		
15051	<b>T0-4-15051</b>	US	4	8	+ + - + + + + -	- - - -	1/15-15		
15051	<b>T3-4-15051</b>	US	4	8	+ + - + - + + -	- - - -	1/15-15		
15052	<b>T0-2-15052</b>	SU	4	3	+ + - + + + + -	- - - -	1/13-34	2/37	
15052	<b>T3-2-15052</b>	SU	4	3	+ + - + - + + -	- - - -	1/13-34	2/37	
15053	<b>T0-3-15053</b>	SU	4	6	+ + - + + + + -	- - - -	1/15-02	2/41	T0-3-8261
15053	<b>T3-3-15053</b>	SU	4	6	+ + - + - + + -	- - - -	1/15-02	2/41	T3-3-8261
15054	<b>T0-5-15054</b>	SU	4	9	+ + - + + + - -	- - - -	1/15-27		
15054	<b>T3-5-15054</b>	SU	4	9	+ + - + - + - -	- - - -	1/15-27		
15055	<b>T0-4-15055</b>	SP	4	8	+ + - + + + + -	- - - -	1/15-11	2/77	
15055	<b>T3-4-15055</b>	SP	4	8	+ + - + - + + -	- - - -	1/15-11	2/77	
15056	<b>T0-4-15056</b>	SU	4	8	+ + - + + + + -	- - - -	1/15-13	2/43	T0-4-8251
15056	<b>T3-4-15056</b>	SU	4	8	+ + - + - + + -	- - - -	1/15-13	2/43	T3-4-8251
15057	<b>T0-6-15057</b>	SU	4	12	+ + - + + + - -	- - - -	1/16-29	2/46	T0-6-8271
15057	<b>T3-6-15057</b>	SU	4	12	+ + - + - + - -	- - - -	1/16-29	2/46	T3-6-8271
15058	<b>T0-1-15058</b>	SE	3	2	+ + - + + + + -	- - - -	1/07-14	2/72	
15058	<b>T3-1-15058</b>	SE	3	2	+ + - + - + + -	- - - -	1/07-14	2/72	
15059	<b>T0-1-15059</b>	SE	3	2	+ + - + + + + -	- - - -	1/07-22	2/74	T0-1-15058
15059	<b>T3-1-15059</b>	SE	3	2	+ + - + - + + -	- - - -	1/07-22	2/74	T3-1-15058
15060	<b>T0-1-15060</b>	ST	3	2	+ + - + + + + -	- - - -	1/07-36	2/68	
15060	<b>T3-1-15060</b>	ST	3	2	+ + - + - + + -	- - - -	1/07-36	2/68	
15061	<b>T0-1-15061</b>	ST	3	2	+ + - + + + + -	- - - -	1/07-33	2/68	
15061	<b>T3-1-15061</b>	ST	3	2	+ + - + - + + -	- - - -	1/07-33	2/68	
15062	<b>T0-2-15062</b>	ST	3	3	+ + - + + + + -	- - - -	1/08-12	2/69	
15062	<b>T3-2-15062</b>	ST	3	3	+ + - + - + + -	- - - -	1/08-12	2/69	
15063	<b>T0-2-15063</b>	ST	3	3	+ + - + + + + -	- - - -			
15063	<b>T3-2-15063</b>	ST	3	3	+ + - + - + + -	- - - -			
15064	<b>T0-3-15064</b>	ST	5	6	+ + - + + + + -	- - - -	1/18-05	2/69	
15064	<b>T3-3-15064</b>	ST	5	6	+ + - + - + + -	- - - -	1/18-05	2/69	
15065	<b>T0-3-15065</b>	ST	5	6	+ + - + + + + -	- - - -	1/18-06		
15065	<b>T3-3-15065</b>	ST	5	6	+ + - + - + + -	- - - -	1/18-06		
15067	<b>T0-4-15067</b>	YD	3	8	+ + - + + + + -	- - - -	1/11-25	2/13	
15067	<b>T3-4-15067</b>	YD	3	8	+ + - + - + + -	- - - -	1/11-25	2/13	
15067	<b>T4A-4-15067</b>	YD	3	8	- - - - - - - -	- - - -			T5B-4-15067
15067	<b>T5B-4-15067</b>	YD	3	8	+ - + - - + + -	- - - -		3/13	
15067	<b>T5-4-15067</b>	YD	3	8	+ - + - - + + -	- - - -		3/13	
15068	<b>T0-4-15068</b>	YD	3	8	+ + - + + + + -	- - - -	1/11-26	2/13	
15068	<b>T3-4-15068</b>	YD	3	8	+ + - + - + + -	- - - -	1/11-26	2/13	
15068	<b>T4A-4-15068</b>	YD	3	8	- - - - - - - -	- - - -			T5B-4-15068



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7				8	9	10							
Schaltung Contact sequence Schéma	Type Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif					
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15068	T5B-4-15068	YD	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/13	
15068	T5-4-15068	YD	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/13	
15069	T0-3-15069	US	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-13	2/56	T0-3-8314
15069	T3-3-15069	US	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-13	2/56	T3-3-8314
15070	T0-5-15070	SU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-28	2/56	T0-5-8315
15070	T3-5-15070	SU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-28	2/56	T3-5-8315
15071	T0-1-15071	SE	2	1	+	+	-	+	+	+	+	-	-	-	-	-		2/71	T0-1-15401
15071	T3-1-15071	SE	2	1	+	+	-	+	+	+	+	-	-	-	-	-		2/71	T3-1-15401
15072	T0-1-15072	ST	2	1	+	+	-	+	+	+	+	-	-	-	-	-		2/66	T0-1-8204
15072	T3-1-15072	ST	2	1	+	+	-	+	+	+	+	-	-	-	-	-		2/66	T3-1-8204
15073	T0-1-15073	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-			T0-1-78
15073	T3-1-15073	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-			T3-1-78
15074	T0-1-15074	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-42	2/68	T0-1-8214
15074	T3-1-15074	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-42	2/68	T3-1-8214
15075	T0-1-15075	SU	2	2	+	+	-	+	+	+	+	-	-	-	-	-		2/39	T0-1-8220
15075	T3-1-15075	SU	2	2	+	+	-	+	+	+	+	-	-	-	-	-		2/39	T3-1-8220
15076	T0-1-15076	ST	2	1	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-1-8204
15076	T3-1-15076	ST	2	1	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-1-8204
15077	T0-1-15077	ST	2	2	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-1-8205
15077	T3-1-15077	ST	2	2	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-1-8205
15078	T0-2-15078	ST	2	3	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-2-8206
15078	T3-2-15078	ST	2	3	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-2-8206
15079	T0-2-15079	ST	2	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-2-8207
15079	T3-2-15079	ST	2	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-2-8207
15080	T0-6-15080	YD	4	12	+	+	-	+	+	+	-	-	-	-	-	-	1/17-01	2/15	
15080	T3-6-15080	YD	4	12	+	+	-	+	+	+	-	-	-	-	-	-	1/17-01	2/15	
15080	T4A-6-15080	YD	4	12	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-6-15080
15080	T5B-6-15080	YD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15080	T5-6-15080	YD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15081	T0-2-15081	SP	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/09-07	2/77	
15081	T3-2-15081	SP	3	4	+	+	-	+	+	+	+	-	-	-	-	-	1/09-07	2/77	
15082	T0-3-15082	ST	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-18		
15082	T3-3-15082	ST	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-18		
15083	T0-6-15083	YD	4	11	+	+	-	+	+	+	-	-	-	-	-	-	1/16-09	2/15	
15083	T3-6-15083	YD	4	11	+	+	-	+	+	+	-	-	-	-	-	-	1/16-09	2/15	
15083	T4A-6-15083	YD	4	11	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-6-15083
15083	T5B-6-15083	YD	4	11	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15083	T5-6-15083	YD	4	11	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15084	T0-8-15084	YD	5	15	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-8-15092
15084	T3-8-15084	YD	5	15	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-8-15092
15084	T4A-10-15084	YD	5	15	-	-	-	-	-	-	-	-	-	-	-	-	→		T5B-10-15092
15084	T5B-10-15084	YD	5	15	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15084	T5-10-15084	YD	5	15	+	-	+	-	-	+	-	-	-	-	-	-		3/16	
15085	T0-2-15085	SE	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-10	2/72	T0-2-15422
15085	T3-2-15085	SE	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-10	2/72	T3-2-15422
15086	T0-4-15086	SE	5	7	+	+	-	+	+	+	+	-	-	-	-	-	1/18-08	2/74	
15086	T3-4-15086	SE	5	7	+	+	-	+	+	+	+	-	-	-	-	-	1/18-08	2/74	
15087		UP	2	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T0-2-39
15087		UP	2	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T3-2-39
15087	T41A-4-15087	UP	2	4	-	-	-	-	-	-	-	-	-	-	-	-	→		T5-2-39
15088	T0-2-15088	ST	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-15	2/68	
15088	T3-2-15088	ST	3	3	+	+	-	+	+	+	+	-	-	-	-	-	1/08-15	2/68	
15089	T0-1-15089	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-37	2/68	
15089	T3-1-15089	ST	3	2	+	+	-	+	+	+	+	-	-	-	-	-	1/07-37	2/68	
15090	T0-1-15090	ST	2	2	+	+	-	+	+	+	+	-	-	-	-	-	1/04-31	2/66	
15090	T3-1-15090	ST	2	2	+	+	-	+	+	+	+	-	-	-	-	-	1/04-31	2/66	
15091	T0-2-15091	SE	4	3	+	+	-	+	+	+	+	-	-	-	-	-	1/13-29	2/74	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.				Cont- acts	/E /EZ /X /XZ /V/S /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15091	T3-2-15091	SE	4	3	+ + - + - + + -	- - - -	1/13-29	2/74	
15092	T0-8-15092	YD	5	15	+ + - + + + - -	- - - -	1/19-11	2/15	
15092	T3-8-15092	YD	5	15	+ + - + - + - -	- - - -	1/19-11	2/15	
15092	T4A-10-15092	YD	5	15	- - - - - - - -	- - - -			T5B-10-15092
15092	T5B-10-15092	YD	5	15	+ - + - - + - -	- - - -		3/16	
15092	T5-10-15092	YD	5	15	+ - + - - + - -	- - - -		3/16	
15098	T0-3-15098	HP	3	6	+ + - + + + + -	- - - -	1/10-17		
15098	T3-3-15098	HP	3	6	+ + - + - + + -	- - - -	1/10-17		
15100	T0-8-15100	UP	4	16	+ + - + + + - -	- - - -	1/17-17	2/30	
15100	T3-8-15100	UP	4	16	+ + - + - + - -	- - - -	1/17-17	2/30	
15100	T4A-8-15100	UP	4	16	- - - - - - - -	- - - -			T5B-8-15100
15100	T5B-8-15100	UP	4	16	+ - + - - + - -	- - - -		3/32	
15100	T5-8-15100	UP	4	16	+ - + - - + - -	- - - -		3/32	
15101	T0-9-15101	UP	4	17	+ + - + + + - -	- - - -		2/78	
15101	T3-9-15101	UP	4	17	+ + - + - + - -	- - - -		2/78	
15101	T4A-9-15101	UP	4	17	- - - - - - - -	- - - -			T5B-9-15101
15101	T5B-9-15101	UP	4	17	+ - + - - + - -	- - - -		3/32	
15101	T5-9-15101	UP	4	17	+ - + - - + - -	- - - -		3/32	
15102	T0-8-15102	UP	3	16	+ + - + + + - -	- - - -	1/13-08	2/30	
15102	T3-8-15102	UP	3	16	+ + - + - + - -	- - - -	1/13-08	2/30	
15102	T4A-8-15102	UP	3	16	- - - - - - - -	- - - -			T5B-8-15102
15102	T5B-8-15102	UP	3	16	+ - + - - + - -	- - - -		3/32	
15102	T5-8-15102	UP	3	16	+ - + - - + - -	- - - -		3/32	
15103	T0-9-15103	UP	3	17	+ + - + + + - -	- - - -		2/78	
15103	T3-9-15103	UP	3	17	+ + - + - + - -	- - - -		2/78	
15103	T4A-9-15103	UP	3	17	- - - - - - - -	- - - -			T5B-9-15103
15103	T5B-9-15103	UP	3	17	+ - + - - + - -	- - - -		3/32	
15103	T5-9-15103	UP	3	17	+ - + - - + - -	- - - -		3/32	
15104	T0-10-15104	UP	4	19	+ + - + + + - -	- - - -		2/79	
15104	T3-10-15104	UP	4	19	+ + - + - + - -	- - - -		2/79	
15104	T4A-10-15104	UP	4	19	- - - - - - - -	- - - -			T5B-10-15104
15104	T5B-10-15104	UP	4	19	+ - + - - + - -	- - - -		3/32	
15104	T5-10-15104	UP	4	19	+ - + - - + - -	- - - -		3/32	
15105	T0-6-15105	PD	7	12	+ + - + + + - -	- - - -	1/21-10	2/20	
15105	T3-6-15105	PD	7	12	+ + - + - + - -	- - - -	1/21-10	2/20	
15105	T4A-7-15105	PD	7	12	- - - - - - - -	- - - -			T5B-7-15105
15105	T5B-7-15105	PD	7	12	+ - + - - + - -	- - - -		3/21	
15105	T5-7-15105	PD	7	12	+ - + - - + - -	- - - -		3/21	
15106	T0-4-15106	PD	3	8	+ + - + + + - -	- - - -			T0-4-15107
15106	T3-4-15106	PD	3	8	+ + - + - + + -	- - - -			T3-4-15107
15106	T4A-4-15106	PD	3	8	- - - - - - - -	- - - -			T5B-4-15106
15106	T5B-4-15106	PD	3	8	+ - + - - + + -	- - - -		3/20	
15106	T5-4-15106	PD	3	8	+ - + - - + + -	- - - -		3/20	
15107	T0-4-15107	UP	3	8	+ + - + + + - -	- - - -	1/11-11	2/19	
15107	T3-4-15107	UP	3	8	+ + - + - + + -	- - - -	1/11-11	2/19	
15108	T0-1-15108	E	4	2	+ + - + + + - -	- - - -	1/13-10	2/75	
15108	T3-1-15108	E	4	2	+ + - + - + + -	- - - -	1/13-10	2/75	
15108	T4A-1-15108	E	4	2	- - - - - - - -	- - - -			T5B-1-15108
15108	T5B-1-15108	E	4	2	+ - + - - + + -	- - - -		3/05,65	
15108	T5-1-15108	E	4	2	+ - + - - + + -	- - - -		3/05,65	
15109	T0-1-15109	UG	4	2	+ + - + + + - -	- - - -	1/13-11	2/75	
15109	T3-1-15109	UG	4	2	+ + - + - + + -	- - - -	1/13-11	2/75	
15109	T4A-1-15109	UG	4	2	- - - - - - - -	- - - -			T5B-1-15109
15109	T5B-1-15109	UG	4	2	+ - + - - + + -	- - - -		3/65	
15109	T5-1-15109	UG	4	2	+ - + - - + + -	- - - -		3/65	
15110	T0-1-15110	US	4	2	+ + - + + + - -	- - - -	1/13-16	2/75	
15110	T3-1-15110	US	4	2	+ + - + - + + -	- - - -	1/13-16	2/75	

# Standardschaltungen Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Seite Page-Pict.-No. Page Page-Pict.-No. Page	Alternativ-Typ Alternative-Type Type alternatifif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB			
15111	T0-1-15111	UW	4	2	+ + - + + + -	- - - -	1/13-12	2/75	
15111	T3-1-15111	UW	4	2	+ + - + - + + -	- - - -	1/13-12	2/75	
15112	T0-2-15112	UK	4	4	+ + - + + + + -	- - - -	1/14-24	2/75	
15112	T3-2-15112	UK	4	4	+ + - + - + + -	- - - -	1/14-24	2/75	
15112	T4A-2-15112	UK	4	4	- - - - - - - -	- - - -			T5B-2-15112
15112	T5B-2-15112	UK	4	4	+ - + - - + + -	- - - -		3/65	
15112	T5-2-15112	UK	4	4	+ - + - - + - +	- - - -		3/65	
15113	T0-1-15113	US	4	2	+ + - + + + + -	- - - -	1/13-13	2/57	
15113	T3-1-15113	US	4	2	+ + - + - + + -	- - - -	1/13-13	2/57	
15114	T0-2-15114	US	4	4	+ + - + + + + -	- - - -	1/14-02	2/57	
15114	T3-2-15114	US	4	4	+ + - + - + + -	- - - -	1/14-02	2/57	
15114	T4A-2-15114	US	4	4	- - - - - - - -	- - - -			T5B-2-15114
15114	T5B-2-15114	US	4	4	+ - + - - + + -	- - - -		3/59	
15114	T5-2-15114	US	4	4	+ - + - - + - +	- - - -		3/59	
15115	T0-3-15115	US	4	6	+ + - + + + + -	- - - -	1/14-30	2/57	
15115	T3-3-15115	US	4	6	+ + - + - + + -	- - - -	1/14-30	2/57	
15115	T4A-4-15115	US	4	6	- - - - - - - -	- - - -			T5B-4-15115
15115	T5B-4-15115	US	4	6	+ - + - - + + -	- - - -		3/59	
15115	T5-4-15115	US	4	6	+ - + - - + - +	- - - -		3/59	
15120	T0-2-15120	HP	3	3	+ + - + + + + -	- - - -	1/08-13	2/32	
15120	T3-2-15120	HP	3	3	+ + - + - + + -	- - - -	1/08-13	2/32	
15120	T4A-2-15120	HP	3	3	- - - - - - - -	- - - -			T5B-2-15120
15120	T5B-2-15120	HP	3	3	+ - + - - + + -	- - - -		3/35	
15120	T5-2-15120	HP	3	3	+ - + - - + - +	- - - -		3/35	
15121	T0-2-15121	HP	3	3	+ + - + + + + -	- - - -	1/08-02	2/32	
15121	T3-2-15121	HP	3	3	+ + - + - + + -	- - - -	1/08-02	2/32	
15121	T4A-2-15121	HP	3	3	- - - - - - - -	- - - -			T5B-2-15121
15121	T5B-2-15121	HP	3	3	+ - + - - + + -	- - - -		3/35	
15121	T5-2-15121	HP	3	3	+ - + - - + - +	- - - -		3/35	
15122	T0-3-15122	HP	5	6	+ + - + + + + -	- - - -	1/18-07	2/32	
15122	T3-3-15122	HP	5	6	+ + - + - + + -	- - - -	1/18-07	2/32	
15122	T4A-3-15122	HP	5	6	- - - - - - - -	- - - -			T5B-3-15122
15122	T5B-3-15122	HP	5	6	+ - + - - + + -	- - - -		3/35	
15122	T5-3-15122	HP	5	6	+ - + - - + - +	- - - -		3/35	
15123	T0-3-15123	HP	5	6	+ + - + + + + -	- - - -	1/18-04	2/32	
15123	T3-3-15123	HP	5	6	+ + - + - + + -	- - - -	1/18-04	2/32	
15124	T0-3-15124	HP	3	5	+ + - + + + + -	- - - -	1/09-19	2/32	
15124	T3-3-15124	HP	3	5	+ + - + - + + -	- - - -	1/09-19	2/32	
15124	T4A-3-15124	HP	3	5	- - - - - - - -	- - - -			T5B-3-15124
15124	T5B-3-15124	HP	3	5	+ - + - - + + -	- - - -		3/35	
15124	T5-3-15124	HP	3	5	+ - + - - + - +	- - - -		3/35	
15125	T0-2-15125	HP	3	4	+ + - + + + + -	- - - -	1/09-08	2/32	
15125	T3-2-15125	HP	3	4	+ + - + - + + -	- - - -	1/09-08	2/32	
15125	T4A-2-15125	HP	3	4	- - - - - - - -	- - - -			T5B-2-15125
15125	T5B-2-15125	HP	3	4	+ - + - - + + -	- - - -		3/35	
15125	T5-2-15125	HP	3	4	+ - + - - + - +	- - - -		3/35	
15126	T0-4-15126	HP	5	8	+ + - + + + + -	- - - -	1/18-15	2/33	
15126	T3-4-15126	HP	5	8	+ + - + - + + -	- - - -	1/18-15	2/33	
15126	T4A-5-15126	HP	5	8	- - - - - - - -	- - - -			T5B-5-15126
15126	T5B-5-15126	HP	5	8	+ - + - - + - -	- - - -		3/36	
15126	T5-5-15126	HP	5	8	+ - + - - + - -	- - - -		3/36	
15127		HP	5	10	- - - - - - - -	- - - -		2/33	
15130	T0-2-15130	SU	3	4	+ + - + + + + -	- - - -	1/08-44	2/41	T0-2-8260
15130	T3-2-15130	SU	3	4	+ + - + - + + -	- - - -	1/08-44	2/41	T3-2-8260
15130	T4A-2-15130	SU	3	4	- - - - - - - -	- - - -			T5B-2-15130
15130	T5B-2-15130	SU	3	4	+ - + - - + + -	- - - -		3/43	
15130	T5-2-15130	SU	3	4	+ - + - - + - +	- - - -		3/43	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.				Con- tacts	/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
15131	T0-3-15131	SU	4	6	+ + - + + + -	- - - -	1/15-01	2/41	T0-3-8261
15131	T3-3-15131	SU	4	6	+ + - + - + -	- - - -	1/15-01	2/41	T3-3-8261
15131	T4A-3-15131	SU	4	6	- - - - - - -	- - - -			T5B-3-15131
15131	T5B-3-15131	SU	4	6	+ - + - - - +	- - - -		3/43	
15131	T5-3-15131	SU	4	6	+ - + - - + +	- - - -		3/43	
15132	T0-4-15132	SU	5	8	+ + - + + + -	- - - -	1/18-12	2/42	T0-4-8262
15132	T3-4-15132	SU	5	8	+ + - + - + -	- - - -	1/18-12	2/42	T3-4-8262
15132	T4A-5-15132	SU	5	8	- - - - - - -	- - - -			T5B-5-15132
15132	T5B-5-15132	SU	5	8	+ - + - - + -	- - - -		3/44	
15132	T5-5-15132	SU	5	8	+ - + - - + -	- - - -		3/44	
15133	T0-5-15133	SU	6	10	+ + - + + - -	- - - -	1/20-12	2/42	T0-5-8263
15133	T3-5-15133	SU	6	10	+ + - + - + -	- - - -	1/20-12	2/42	T3-5-8263
15133	T4A-6-15133	SU	6	10	- - - - - - -	- - - -			T5B-6-15133
15133	T5B-6-15133	SU	6	10	+ - + - - + -	- - - -		3/44	
15133	T5-6-15133	SU	6	10	+ - + - - + -	- - - -		3/44	
15134	T0-6-15134	SU	7	12	+ + - + + - -	- - - -	1/21-09	2/42	T0-6-8264
15134	T3-6-15134	SU	7	12	+ + - + - + -	- - - -	1/21-09	2/42	T3-6-8264
15134	T4A-7-15134	SU	7	12	- - - - - - -	- - - -			T5B-7-15134
15134	T5B-7-15134	SU	7	12	+ - + - - + -	- - - -		3/44	
15134	T5-7-15134	SU	7	12	+ - + - - + -	- - - -		3/44	
15135	T0-7-15135	SU	8	14	+ + - + + - -	- - - -	1/22-09	2/42	T0-7-8265
15135	T3-7-15135	SU	8	14	+ + - + - + -	- - - -	1/22-09	2/42	T3-7-8265
15135	T4A-8-15135	SU	8	14	- - - - - - -	- - - -			T5B-8-15135
15135	T5B-8-15135	SU	8	14	+ - + - - + -	- - - -		3/44	
15135	T5-8-15135	SU	8	14	+ - + - - + -	- - - -		3/44	
15136	T0-2-15136	SU	2	4	+ + - + + + -	- - - -		2/43	T0-2-8221
15136	T3-2-15136	SU	2	4	+ + - + - + -	- - - -		2/43	T3-2-8221
15136	T4A-2-15136	SU	2	4	- - - - - - -	- - - -			T5B-2-15136
15136	T5B-2-15136	SU	2	4	+ - + - - + +	- - - -		3/46	
15136	T5-2-15136	SU	2	4	+ - + - - + +	- - - -		3/46	
15137	T0-3-15137	SU	3	6	+ + - + + + -	- - - -	1/10-08	2/43	T0-3-8250
15137	T3-3-15137	SU	3	6	+ + - + - + -	- - - -	1/10-08	2/43	T3-3-8250
15137	T4A-3-15137	SU	3	6	- - - - - - -	- - - -			T5B-3-15137
15137	T5B-3-15137	SU	3	6	+ - + - - + +	- - - -		3/46	
15137	T5-3-15137	SU	3	6	+ - + - - + +	- - - -		3/46	
15138	T0-4-15138	SU	4	8	+ + - + + + -	- - - -	1/15-12	2/43	T0-4-8251
15138	T3-4-15138	SU	4	8	+ + - + - + -	- - - -	1/15-12	2/43	T3-4-8251
15138	T4A-4-15138	SU	4	8	- - - - - - -	- - - -			T5B-4-15138
15138	T5B-4-15138	SU	4	8	+ - + - - + +	- - - -		3/46	
15138	T5-4-15138	SU	4	8	+ - + - - + +	- - - -		3/46	
15139	T0-5-15139	SU	5	10	+ + - + + - -	- - - -	1/18-20	2/43	T0-5-8252
15139	T3-5-15139	SU	5	10	+ + - + - + -	- - - -	1/18-20	2/43	T3-5-8252
15139	T4A-5-15139	SU	5	10	- - - - - - -	- - - -			T5B-5-15139
15139	T5B-5-15139	SU	5	10	+ - + - - + -	- - - -		3/46	
15139	T5-5-15139	SU	5	10	+ - + - - + -	- - - -		3/46	
15140	T0-6-15140	SU	6	12	+ + - + + - -	- - - -	1/20-16	2/44	T0-6-8253
15140	T3-6-15140	SU	6	12	+ + - + - + -	- - - -	1/20-16	2/44	T3-6-8253
15140	T4A-6-15140	SU	6	12	- - - - - - -	- - - -			T5B-6-15140
15140	T5B-6-15140	SU	6	12	+ - + - - + -	- - - -		3/46	
15140	T5-6-15140	SU	6	12	+ - + - - + -	- - - -		3/46	
15141	T0-7-15141	SU	7	14	+ + - + + - -	- - - -	1/21-13	2/44	T0-7-8254
15141	T3-7-15141	SU	7	14	+ + - + - + -	- - - -	1/21-13	2/44	T3-7-8254
15141	T4A-7-15141	SU	7	14	- - - - - - -	- - - -			T5B-7-15141
15141	T5B-7-15141	SU	7	14	+ - + - - + -	- - - -		3/47	
15141	T5-7-15141	SU	7	14	+ - + - - + -	- - - -		3/47	
15142	T0-8-15142	SU	8	16	+ + - + + - -	- - - -	1/22-14	2/44	T0-8-8255
15142	T3-8-15142	SU	8	16	+ + - + - + -	- - - -	1/22-14	2/44	T3-8-8255

# Standardschaltungen Standard contact sequences / Schémas standards

1		2		3		4		5		6				7				8		9		10	
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takten	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes	Seite-Bild-Nr. Page-Pict.-No.		Seite Page	Alternativ-Typ Alternative-Type Type alternatif						
Nr. No. No.					/E	/EZ	/X	/XZ	/VS	/Z	/I	/CI19	/I/SVB	/CI19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No.	Seite Page					
15142	T4A-8-15142	SU	8	16	-	-	-	-	-	-	-	-	-	-	-	-				T5B-8-15142			
15142	T5B-8-15142	SU	8	16	+	-	+	-	-	+	-	-	-	-	-	-		3/47					
15142	T5-8-15142	SU	8	16	+	-	+	-	-	+	-	-	-	-	-	-		3/47					
15143	T0-3-15143	SU	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-15	2/45		T0-3-8280			
15143	T3-3-15143	SU	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-15	2/45		T3-3-8280			
15143	T4A-3-15143	SU	3	6	-	-	-	-	-	-	-	-	-	-	-	-				T5B-3-15143			
15143	T5B-3-15143	SU	3	6	+	-	+	-	-	+	+	-	-	-	-	-		3/48					
15143	T5-3-15143	SU	3	6	+	-	+	-	-	+	-	+	-	-	-	-		3/48					
15144	T0-5-15144	SU	4	9	+	+	-	+	+	+	-	-	-	-	-	-	1/15-21	2/45		T0-5-8281			
15144	T3-5-15144	SU	4	9	+	+	-	+	-	+	-	-	-	-	-	-	1/15-21	2/45		T3-5-8281			
15144	T4A-5-15144	SU	4	9	-	-	-	-	-	-	-	-	-	-	-	-				T5B-5-15144			
15144	T5B-5-15144	SU	4	9	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15144	T5-5-15144	SU	4	9	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15145	T0-6-15145	SU	5	12	+	+	-	+	+	+	-	-	-	-	-	-	1/19-04	2/45		T0-6-8282			
15145	T3-6-15145	SU	5	12	+	+	-	+	+	+	-	-	-	-	-	-	1/19-04	2/45		T3-6-8282			
15145	T4A-8-15145	SU	5	12	-	-	-	-	-	-	-	-	-	-	-	-				T5B-8-15145			
15145	T5B-8-15145	SU	5	12	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15145	T5-8-15145	SU	5	12	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15146	T0-8-15146	SU	6	15	+	+	-	+	+	+	-	-	-	-	-	-	1/20-21	2/45		T0-8-8283			
15146	T3-8-15146	SU	6	15	+	+	-	+	-	+	-	-	-	-	-	-	1/20-21	2/45		T3-8-8283			
15146	T4A-9-15146	SU	6	15	-	-	-	-	-	-	-	-	-	-	-	-				T5B-9-15146			
15146	T5B-9-15146	SU	6	15	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15146	T5-9-15146	SU	6	15	+	-	+	-	-	+	-	-	-	-	-	-		3/49					
15147	T0-9-15147	SU	7	18	+	+	-	+	+	+	-	-	-	-	-	-	1/24-20	2/84					
15147	T3-9-15147	SU	7	18	+	+	-	+	-	+	-	-	-	-	-	-	1/24-20	2/84					
15148	T0-11-15148	SU	8	21	+	+	-	+	+	+	-	-	-	-	-	-	1/26-04	2/84					
15148	T3-11-15148	SU	8	21	+	+	-	+	+	+	-	-	-	-	-	-	1/26-04	2/84					
15149	T0-3-15149	SU	2	6	+	+	-	+	+	+	-	-	-	-	-	-		2/46		T0-3-8222			
15149	T3-3-15149	SU	2	6	+	+	-	+	+	+	-	-	-	-	-	-		2/46		T3-3-8222			
15149	T4A-3-15149	SU	2	6	-	-	-	-	-	-	-	-	-	-	-	-				T5B-3-15149			
15149	T5B-3-15149	SU	2	6	+	-	+	-	-	+	+	-	-	-	-	-		3/50					
15149	T5-3-15149	SU	2	6	+	-	+	-	-	+	-	+	-	-	-	-		3/50					
15150	T0-5-15150	SU	3	9	+	+	-	+	+	+	-	-	-	-	-	-	1/12-08	2/46		T0-5-8270			
15150	T3-5-15150	SU	3	9	+	+	-	+	-	+	-	-	-	-	-	-	1/12-08	2/46		T3-5-8270			
15150	T4A-5-15150	SU	3	9	-	-	-	-	-	-	-	-	-	-	-	-				T5B-5-15150			
15150	T5B-5-15150	SU	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/50					
15150	T5-5-15150	SU	3	9	+	-	+	-	-	+	-	-	-	-	-	-		3/50					
15151	T0-6-15151	SU	4	12	+	+	-	+	+	+	-	-	-	-	-	-	1/16-25	2/46		T0-6-8271			
15151	T3-6-15151	SU	4	12	+	+	-	+	-	+	-	-	-	-	-	-	1/16-25	2/46		T3-6-8271			
15151	T4A-6-15151	SU	4	12	-	-	-	-	-	-	-	-	-	-	-	-				T5B-6-15151			
15151	T5B-6-15151	SU	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/50					
15151	T5-6-15151	SU	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/50					
15152	T0-8-15152	SU	5	15	+	+	-	+	+	+	-	-	-	-	-	-	1/19-12	2/46		T0-8-8272			
15152	T3-8-15152	SU	5	15	+	+	-	+	-	+	-	-	-	-	-	-	1/19-12	2/46		T3-8-8272			
15152	T4A-8-15152	SU	5	15	-	-	-	-	-	-	-	-	-	-	-	-				T5B-8-15152			
15152	T5B-8-15152	SU	5	15	+	-	+	-	-	+	-	-	-	-	-	-		3/51					
15152	T5-8-15152	SU	5	15	+	-	+	-	-	+	-	-	-	-	-	-		3/51					
15153	T0-9-15153	SU	6	18	+	+	-	+	+	+	-	-	-	-	-	-	1/24-17	2/85					
15153	T3-9-15153	SU	6	18	+	+	-	+	-	+	-	-	-	-	-	-	1/24-17	2/85					
15153	T4A-9-15153	SU	6	18	-	-	-	-	-	-	-	-	-	-	-	-				T5B-9-15153			
15153	T5B-9-15153	SU	6	18	+	-	+	-	-	+	-	-	-	-	-	-		3/51					
15153	T5-9-15153	SU	6	18	+	-	+	-	-	+	-	-	-	-	-	-		3/51					
15154	T0-11-15154	SU	7	21	+	+	-	+	+	+	-	-	-	-	-	-	1/26-01	2/85					
15154	T3-11-15154	SU	7	21	+	+	-	+	+	+	-	-	-	-	-	-	1/26-01	2/85					
15158		EA	2	5	-	-	-	-	-	-	-	-	-	-	-	-				T0-3-15259			
15158		EA	2	5	-	-	-	-	-	-	-	-	-	-	-	-				T3-3-15259			
15158	T46A-5-15158	EA	2	5	-	-	-	-	-	-	-	-	-	-	-	-				T5-3-15260			

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Cont- acts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15159	<b>T0-3-15159</b>	EA	2	6	+ + - + + + -	+ - + +	1/06-01		T0-3-15683
15159	<b>T3-3-15159</b>	EA	2	6	+ + - + - + -	+ - + +	1/06-01		T3-3-15683
15159	<b>T4A-3-15159</b>	EA	2	6	- - - - - - -	- - - -			T5B-3-15159
15159	<b>T5B-3-15159</b>	EA	2	6	+ - + - - + +	+ - + +		3/03	
15159	<b>T5-3-15159</b>	EA	2	6	+ - + - - + +	- + + +		3/03	
15160		EA	2	7	- - - - - - -	- - - -			P1-25/.../2HI11
15160	<b>T44A-4-15160</b>	EA	2	7	- - - - - - -	- - - -			P3-63/.../2HI11
15161		EA	2	7	- - - - - - -	- - - -			P1-32/.../2HI11
15161	<b>T46A-6-15161</b>	EA	2	7	- - - - - - -	- - - -			P3-100/.../2HI11
15162		EA	2	7	- - - - - - -	- - - -			P1-32/.../2HI11
15162	<b>T41A-5-15162</b>	EA	2	7	- - - - - - -	- - - -			P3-100/.../2HI11
15163		EA	2	6	- - - - - - -	- - - -			T0-3-8342
15163		EA	2	6	- - - - - - -	- - - -			T3-3-8342
15163	<b>T46A-7-15163</b>	EA	2	6	- - - - - - -	- - - -			T5-3-8342
15164	<b>T0-4-15164</b>	EA	2	8	+ + - + + + -	+ - + +	1/06-11	2/05	T0-4-15682
15164	<b>T3-4-15164</b>	EA	2	8	+ + - + + + -	+ - + +	1/06-11	2/05	T3-4-15682
15164	<b>T4A-4-15164</b>	EA	2	8	- - - - - - -	- - - -			T5B-4-15164
15164	<b>T5B-4-15164</b>	EA	2	8	+ - + - - + +	+ - + +		3/03,04	
15164	<b>T5-4-15164</b>	EA	2	8	+ - + - - + +	- + + +		3/03,04	
15165		EA	2	8	- - - - - - -	- - - -			T0-4-15164
15165		EA	2	8	- - - - - - -	- - - -			T3-4-15164
15165	<b>T44A-5-15165</b>	EA	2	8	- - - - - - -	- - - -			T5B-4-15164
15166		EA	2	8	- - - - - - -	- - - -			T0-4-15164
15166		EA	2	8	- - - - - - -	- - - -			T3-4-15164
15166	<b>T46A-9-15166</b>	EA	2	8	- - - - - - -	- - - -			T5-4-15164
15167		EA	2	8	- - - - - - -	- - - -			T0-4-15164
15167		EA	2	8	- - - - - - -	- - - -			T3-4-15164
15167	<b>T41A-7-15167</b>	EA	2	8	- - - - - - -	- - - -			T5-4-15164
15168	<b>T0-6-15168</b>	EA	2	12	+ + - + + + -	- - - -	1/06-27	2/05	
15168	<b>T3-6-15168</b>	EA	2	12	+ + - + - + -	- - - +	1/06-27	2/05	
15168	<b>T4A-6-15168</b>	EA	2	12	- - - - - - -	- - - -			T5B-6-15168
15168	<b>T5B-6-15168</b>	EA	2	12	+ - + - - + -	- - + +		3/03	
15168	<b>T5-6-15168</b>	EA	2	12	+ - + - - + -	- - + +		3/03	
15169	<b>T0-2-15169</b>	EA	2	4	+ + - + + + -	+ - + +	1/05-05		T0-2-15679
15169	<b>T3-2-15169</b>	EA	2	4	+ + - + - + -	+ - + +	1/05-05		T3-2-15679
15169	<b>T4A-2-15169</b>	EA	2	4	- - - - - - -	- - - -			T5B-2-15169
15169	<b>T5B-2-15169</b>	EA	2	4	+ - + - - + +	+ - + +		3/03	
15169	<b>T5-2-15169</b>	EA	2	4	+ - + - - + +	- + + +		3/03	
15170	<b>T0-2-15170</b>	MU	4	4	+ + - + + + -	- - - -	1/14-14	2/60	
15170	<b>T3-2-15170</b>	MU	4	4	+ + - + - + -	- - - -	1/14-14	2/60	
15172	<b>T0-5-15172</b>	MU	3	10	+ + - + + + -	- - - -	1/12-21	2/62	
15172	<b>T3-5-15172</b>	MU	3	10	+ + - + - + -	- - - -	1/12-21	2/62	
15173	<b>T0-6-15173</b>	MU	4	11	+ + - + + + -	- - - -	1/16-08	2/63	
15173	<b>T3-6-15173</b>	MU	4	11	+ + - + - + -	- - - -	1/16-08	2/63	
15174	<b>T0-2-15174</b>	MU	4	4	+ + - + + + -	- - - -			T0-2-15176
15174	<b>T3-2-15174</b>	MU	4	4	+ + - + - + -	- - - -			T3-2-15176
15175	<b>T0-2-15175</b>	MU	4	4	+ + - + + + -	- - - -			T0-2-15177
15175	<b>T3-2-15175</b>	MU	4	4	+ + - + - + -	- - - -			T3-2-15177
15176	<b>T0-2-15176</b>	MU	4	4	+ + - + + + -	- - - -	1/14-05	2/58	
15176	<b>T3-2-15176</b>	MU	4	4	+ + - + - + -	- - - -	1/14-05	2/58	
15177	<b>T0-2-15177</b>	MU	4	4	+ + - + + + -	- - - -	1/14-06	2/58	
15177	<b>T3-2-15177</b>	MU	4	4	+ + - + - + -	- - - -	1/14-06	2/58	
15178	<b>T0-5-15178</b>	MU	4	10	+ + - + + + -	- - - -	1/15-29	2/62	
15178	<b>T3-5-15178</b>	MU	4	10	+ + - + - + -	- - - -	1/15-29	2/62	
15180	<b>T0-1-15180</b>	UG	3	2	+ + - + + + -	- - - -	1/07-15	2/72	T0-1-15421
15180	<b>T3-1-15180</b>	UG	3	2	+ + - + - + -	- - - -	1/07-15	2/72	T3-1-15421
15180	<b>T4A-1-15180</b>	UG	3	2	- - - - - - -	- - - -			T5B-1-15180

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6				7				8	9	10					
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage				Hauptschalter Main switch Interrupteur général				Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif					
Nr. No. No.					/E	/EZ	/X	/XZ	/V/S	/Z	/I	/C19	/I/SVB	/C19/SVB	/EA/SVB	/V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page		
15180	T5B-1-15180	UG	3	2	+	-	+	-	-	+	+	-	-	-	-	-		3/0764		
15180	T5-1-15180	UG	3	2	+	-	+	-	-	+	-	+	-	-	-	-		3/0764		
15181	T41A-8-15181	EA	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5-4-88	
15182	T41A-8-15182	EA	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5-4-8294	
15183	T41A-8-15183	UG	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5-4-41	
15185	T0-4-15185	UW	2	8	+	+	-	+	+	+	+	-	-	-	-	-	1/06-13	2/10		
15185	T3-4-15185	UW	2	8	+	+	-	+	-	+	+	-	-	-	-	-	1/06-13	2/10		
15190	T0-3-15190	W	3	6	+	+	-	+	+	+	+	-	-	-	-	-	1/10-11	2/11		
15190	T3-3-15190	W	3	6	+	+	-	+	-	+	+	-	-	-	-	-	1/10-11	2/11		
15190	T4A-4-15190	W	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-15190	
15190	T5B-4-15190	W	3	6	+	-	+	-	-	+	+	-	-	-	-	-		3/11		
15190	T5-4-15190	W	3	6	+	-	+	-	-	+	-	+	-	-	-	-		3/11		
15191	T44A-4-15191	W	3	6	-	-	-	-	-	-	-	-	-	-	-	-			T5B-3-20	
15203	T0-5-15203	PD	2	9	+	+	-	+	+	+	-	-	-	-	-	-	1/06-19	2/19		
15203	T3-5-15203	PD	2	9	+	+	-	+	-	+	-	-	-	-	-	-	1/06-19	2/19		
15203	T4A-5-15203	PD	2	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-5-15203	
15203	T5B-5-15203	PD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/20		
15203	T5-5-15203	PD	2	9	+	-	+	-	-	+	-	-	-	-	-	-		3/20		
15204	T0-4-15204	PD	3	8	+	+	-	+	+	+	+	-	-	-	-	-	1/11-21	2/19		
15204	T3-4-15204	PD	3	8	+	+	-	+	-	+	+	-	-	-	-	-	1/11-21	2/19		
15204	T4A-4-15204	PD	3	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-4-15204	
15204	T5B-4-15204	PD	3	8	+	-	+	-	-	+	+	-	-	-	-	-		3/20		
15204	T5-4-15204	PD	3	8	+	-	+	-	-	+	-	+	-	-	-	-		3/20		
15208		PD	4	12	-	-	-	-	-	-	-	-	-	-	-	-			T0-6-104	
15208	T4A-6-15208	PD	4	12	-	-	-	-	-	-	-	-	-	-	-	-			T5B-6-15208	
15208	T5B-6-15208	PD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/20		
15208	T5-6-15208	PD	4	12	+	-	+	-	-	+	-	-	-	-	-	-		3/20		
15215	T0-4-15215	SU	9	8	+	+	-	+	+	+	+	-	-	-	-	-	1/22-18	2/54		
15215	T3-4-15215	SU	9	8	+	+	-	+	-	+	+	-	-	-	-	-	1/22-18	2/54		
15215	T4A-8-15215	SU	9	8	-	-	-	-	-	-	-	-	-	-	-	-			T5B-8-15215	
15215	T5B-8-15215	SU	9	8	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15215	T5-8-15215	SU	9	8	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15216	T0-5-15216	SU	10	9	+	+	-	+	+	+	-	-	-	-	-	-	1/23-10	2/54		
15216	T3-5-15216	SU	10	9	+	+	-	+	-	+	-	-	-	-	-	-	1/23-10	2/54		
15216	T4A-9-15216	SU	10	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-9-15216	
15216	T5B-9-15216	SU	10	9	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15216	T5-9-15216	SU	10	9	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15217	T0-5-15217	SU	11	10	+	+	-	+	+	+	-	-	-	-	-	-	1/23-19	2/54		
15217	T3-5-15217	SU	11	10	+	+	-	+	-	+	-	-	-	-	-	-	1/23-19	2/54		
15217	T4A-10-15217	SU	11	10	-	-	-	-	-	-	-	-	-	-	-	-			T5B-10-15217	
15217	T5B-10-15217	SU	11	10	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15217	T5-10-15217	SU	11	10	+	-	+	-	-	+	-	-	-	-	-	-		3/57		
15218	T0-6-15218	SU	12	11	+	+	-	+	+	+	-	-	-	-	-	-	1/24-01	2/54		
15218	T3-6-15218	SU	12	11	+	+	-	+	-	+	-	-	-	-	-	-	1/24-01	2/54		
15219	T0-5-15219	SU	9	9	+	+	-	+	+	+	-	-	-	-	-	-	1/22-22	2/55		
15219	T3-5-15219	SU	9	9	+	+	-	+	-	+	-	-	-	-	-	-	1/22-22	2/55		
15219	T4A-8-15219	SU	9	9	-	-	-	-	-	-	-	-	-	-	-	-			T5B-8-15219	
15219	T5B-8-15219	SU	9	9	+	-	+	-	-	+	-	-	-	-	-	-		3/58		
15219	T5-8-15219	SU	9	9	+	-	+	-	-	+	-	-	-	-	-	-		3/58		
15220	T0-5-15220	SU	10	10	+	+	-	+	+	+	-	-	-	-	-	-	1/23-14	2/55		
15220	T3-5-15220	SU	10	10	+	+	-	+	-	+	-	-	-	-	-	-	1/23-14	2/55		
15220	T4A-9-15220	SU	10	10	-	-	-	-	-	-	-	-	-	-	-	-			T5B-9-15220	
15220	T5B-9-15220	SU	10	10	+	-	+	-	-	+	-	-	-	-	-	-		3/58		
15220	T5-9-15220	SU	10	10	+	-	+	-	-	+	-	-	-	-	-	-		3/58		
15221	T0-6-15221	SU	11	11	+	+	-	+	+	+	-	-	-	-	-	-	1/23-22	2/55		
15221	T3-6-15221	SU	11	11	+	+	-	+	-	+	-	-	-	-	-	-	1/23-22	2/55		
15221	T4A-10-15221	SU	11	11	-	-	-	-	-	-	-	-	-	-	-	-			T5B-10-15221	

# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.				Con- tacts	/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
15221	T5B-10-15221	SU	11	11	+ - + - - + - -	- - - - -		3/58	
15221	T5-10-15221	SU	11	11	+ - + - - + - -	- - - - -		3/58	
15222	T0-6-15222	SU	12	12	+ + - + + - - -	- - - - -	1/24-05	2/55	
15222	T3-6-15222	SU	12	12	+ + - + + - - -	- - - - -	1/24-05	2/55	
15223	T0-4-15223	SU	9	8	+ + - + + + - -	- - - - -	1/22-19	2/49	
15223	T3-4-15223	SU	9	8	+ + - + + + - -	- - - - -	1/22-19	2/49	
15224	T0-5-15224	SU	10	9	+ + - + + - - -	- - - - -	1/23-11	2/49	
15224	T3-5-15224	SU	10	9	+ + - + + - - -	- - - - -	1/23-11	2/49	
15225	T0-5-15225	SU	11	10	+ + - + + - - -	- - - - -	1/23-18	2/49	
15225	T3-5-15225	SU	11	10	+ + - + + - - -	- - - - -	1/23-18	2/49	
15226	T0-6-15226	SU	12	11	+ + - + + + - -	- - - - -	1/23-26	2/49	
15226	T3-6-15226	SU	12	11	+ + - + + + - -	- - - - -	1/23-26	2/49	
15227	T0-5-15227	SU	9	9	+ + - + + + - -	- - - - -	1/22-23	2/52	
15227	T3-5-15227	SU	9	9	+ + - + + + - -	- - - - -	1/22-23	2/52	
15228	T0-5-15228	SU	10	10	+ + - + + + - -	- - - - -	1/23-15	2/52	
15228	T3-5-15228	SU	10	10	+ + - + + + - -	- - - - -	1/23-15	2/52	
15229	T0-6-15229	SU	11	11	+ + - + + + - -	- - - - -	1/23-23	2/52	
15229	T3-6-15229	SU	11	11	+ + - + + + - -	- - - - -	1/23-23	2/52	
15230	T0-6-15230	SU	12	12	+ + - + + + - -	- - - - -	1/24-04	2/52	
15230	T3-6-15230	SU	12	12	+ + - + + + - -	- - - - -	1/24-04	2/52	
15236	T0-9-15236	PD	5	18	+ + - + + - - -	- - - - -		2/79	
15236	T3-9-15236	PD	5	18	+ + - + + - - -	- - - - -		2/79	
15238	T0-9-15238	PD	5	18	+ + - + + - - -	- - - - -		2/79	T0-9-185
15238	T3-9-15238	PD	5	18	+ + - + + - - -	- - - - -		2/79	T3-9-185
15240		EA	2	5	- - - - -	- - - - -			T0-3-15259
15240	T4A-3-15240	EA	2	5	- - - - -	- - - - -			T5B-3-15240
15240	T5B-3-15240	EA	2	5	+ - + - - + + -	+ - + +		3/03	
15240	T5-3-15240	EA	2	5	+ - + - - + + -	+ - + +		3/03	
15246	T0-4-15246	SU	9	8	+ + - + + + - -	- - - - -	1/22-17	2/38	T0-4-8246
15246	T3-4-15246	SU	9	8	+ + - + + + - -	- - - - -	1/22-17	2/38	T3-4-8246
15246	T4A-5-15246	SU	9	8	- - - - -	- - - - -			T5B-5-15246
15246	T5B-5-15246	SU	9	8	+ - + - - + - -	- - - - -		3/40	
15246	T5-5-15246	SU	9	8	+ - + - - + - -	- - - - -		3/40	
15247	T0-5-15247	SU	10	9	+ + - + + - - -	- - - - -	1/23-09	2/38	T0-5-8247
15247	T3-5-15247	SU	10	9	+ + - + + - - -	- - - - -	1/23-09	2/38	T3-5-8247
15247	T4A-5-15247	SU	10	9	- - - - -	- - - - -			T5B-5-15247
15247	T5B-5-15247	SU	10	9	+ - + - - + - -	- - - - -		3/40	
15247	T5-5-15247	SU	10	9	+ - + - - + - -	- - - - -		3/40	
15248	T0-5-15248	SU	11	10	+ + - + + + - -	- - - - -	1/23-17	2/38	T0-5-8248
15248	T3-5-15248	SU	11	10	+ + - + + + - -	- - - - -	1/23-17	2/38	T3-5-8248
15248	T4A-6-15248	SU	11	10	- - - - -	- - - - -			T5B-6-15248
15248	T5B-6-15248	SU	11	10	+ - + - - + - -	- - - - -		3/40	
15248	T5-6-15248	SU	11	10	+ - + - - + - -	- - - - -		3/40	
15249	T0-6-15249	SU	12	11	+ + - + + - - -	- - - - -	1/23-25	2/39	T0-6-8249
15249	T3-6-15249	SU	12	11	+ + - + + - - -	- - - - -	1/23-25	2/39	T3-6-8249
15249	T4A-6-15249	SU	12	11	- - - - -	- - - - -			T5B-6-15249
15249	T5B-6-15249	SU	12	11	+ - + - - + - -	- - - - -		3/41	
15249	T5-6-15249	SU	12	11	+ - + - - + - -	- - - - -		3/41	
15250	T0-5-15250	SU	9	9	+ + - + + - - -	- - - - -	1/22-21	2/40	T0-5-8236
15250	T3-5-15250	SU	9	9	+ + - + + - - -	- - - - -	1/22-21	2/40	T3-5-8236
15250	T4A-5-15250	SU	9	9	- - - - -	- - - - -			T5B-5-15250
15250	T5B-5-15250	SU	9	9	+ - + - - + - -	- - - - -		3/42	
15250	T5-5-15250	SU	9	9	+ - + - - + - -	- - - - -		3/42	
15251	T0-5-15251	SU	10	10	+ + - + + - - -	- - - - -	1/23-13	2/40	T0-5-8237
15251	T3-5-15251	SU	10	10	+ + - + + - - -	- - - - -	1/23-13	2/40	T3-5-8237
15251	T4A-5-15251	SU	10	10	- - - - -	- - - - -			T5B-5-15251
15251	T5B-5-15251	SU	10	10	+ - + - - + - -	- - - - -		3/42	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Cont- acts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Seite Page	Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VVS /Z / / /C19	/I/SVB /C19/SVB /EA/SVB /N/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page	
15251	T5-5-15251	SU	10	10	+ - + - - + - -	- - - - -		3/42	
15252	T0-6-15252	SU	11	11	+ + - + + + - -	- - - - -	1/23-21	2/41	T0-6-8238
15252	T3-6-15252	SU	11	11	+ + - + - + - -	- - - - -	1/23-21	2/41	T3-6-8238
15252	T4A-6-15252	SU	11	11	- - - - -	- - - - -			T5B-6-15252
15252	T5B-6-15252	SU	11	11	+ - + - - + - -	- - - - -		3/43	
15252	T5-6-15252	SU	11	11	+ - + - - + - -	- - - - -		3/43	
15253	T0-6-15253	SU	12	12	+ + - + + + - -	- - - - -	1/24-03	2/41	T0-6-8239
15253	T3-6-15253	SU	12	12	+ + - + - + - -	- - - - -	1/24-03	2/41	T3-6-8239
15253	T4A-6-15253	SU	12	12	- - - - -	- - - - -			T5B-6-15253
15253	T5B-6-15253	SU	12	12	+ - + - - + - -	- - - - -		3/43	
15253	T5-6-15253	SU	12	12	+ - + - - + - -	- - - - -		3/43	
15256	T0-4-15256	EA	2	7	+ + - + + + + -	+ - + +		2/04	
15256	T3-4-15256	EA	2	7	+ + - + - + + -	+ - + +		2/04	
15257	T44A-3-15257	EA	2	5	- - - - -	- - - - -			T5B-2-15169
15258	T41A-4-15258	EA	2	4	- - - - -	- - - - -			T5-2-15169
15259	T0-3-15259	EA	2	5	+ + - + + + + -	+ - + +	1/05-23		T0-3-15683
15259	T3-3-15259	EA	2	5	+ + - + - + + -	+ - + +	1/05-23		T3-3-15683
15260	T4A-3-15260	EA	2	5	- - - - -	- - - - -			T5B-3-15260
15260	T5B-3-15260	EA	2	5	+ - + - - + + -	+ - + +		3/03	
15260	T5-3-15260	EA	2	5	+ - + - - + + -	+ - + +		3/03	
15261	T44A-3-15261	EA	2	5	- - - - -	- - - - -			T5B-2-15260
15262	T41A-4-15262	EA	2	5	- - - - -	- - - - -			T5-3-15160
15263	T0-1-15263	EA	2	2	+ + - + + + + -	+ - + +		2/04	T0-1-102
15263	T3-1-15263	EA	2	2	+ + - + - + + -	+ - + +		2/04	T3-1-102
15264	T44A-1-15264	EA	2	1	- - - - -	- - - - -			T5B-1-8200
15265	T41A-2-15265	EA	2	1	- - - - -	- - - - -			T5-1-8200
15267	T0-2-15267	EA	2	4	+ + - + + + + -	+ - + +		2/04	T0-2-8293
15267	T3-2-15267	EA	2	4	+ + - + - + + -	+ - + +		2/04	T3-2-8293
15268	T41A-2-15268	EA	2	2	- - - - -	- - - - -			T5-1-102
15270	T0-5-15270	SU	3	9	+ + - + + + - -	- - - - -	1/12-01	2/46	
15270	T3-5-15270	SU	3	9	+ + - + - + - -	- - - - -	1/12-01	2/46	
15270	T4A-5-15270	SU	3	9	- - - - -	- - - - -			T5B-5-15270
15270	T5B-5-15270	SU	3	9	+ - + - - + - -	- - - - -		3/50	
15270	T5-5-15270	SU	3	9	+ - + - - + - -	- - - - -		3/50	
15280	T46A-5-15280	EA	2	4	- - - - -	- - - - -			T5-2-113
15281	T44A-3-15281	EA	2	6	- - - - -	- - - - -			T5B-2-8293
15282	T46A-5-15282	EA	2	6	- - - - -	- - - - -			T5-2-8293
15283	T41A-4-15283	EA	2	4	- - - - -	- - - - -			T5-2-8293
15284	T0-3-15284	EA	2	6	+ + - + + + + -	+ - + +	1/05-36		T0-3-15681
15284	T3-3-15284	EA	2	6	+ + - + - + + -	+ - + +	1/05-36		T3-3-15681
15284	T4A-3-15284	EA	2	6	- - - - -	- - - - -			T5B-3-15284
15284	T5B-3-15284	EA	2	6	+ - + - + + + -	+ - + +		3/03	
15284	T5-3-15284	EA	2	6	+ + + - + + + +	+ + + +		3/03	
15290	T0-8-15290	SU	9	16	+ + - + + + - -	- - - - -	1/22-25	2/43	
15290	T3-8-15290	SU	9	16	+ + - + - + - -	- - - - -	1/22-25	2/43	
15290	T4A-9-15290	SU	9	16	- - - - -	- - - - -			T5B-9-15290
15290	T5B-9-15290	SU	9	16	+ - + - - + - -	- - - - -		3/45	
15290	T5-9-15290	SU	9	16	+ - + - - + - -	- - - - -		3/45	
15291	T0-9-15291	SU	10	18	+ + - + + + - -	- - - - -	1/25-01	2/81	
15291	T3-9-15291	SU	10	18	+ + - + - + - -	- - - - -	1/25-01	2/81	
15291	T4A-10-15291	SU	10	18	- - - - -	- - - - -			T5B-10-15291
15291	T5B-10-15291	SU	10	18	+ - + - - + - -	- - - - -		3/45	
15291	T5-10-15291	SU	10	18	+ - + - - + - -	- - - - -		3/45	
15292	T0-10-15292	SU	11	20	+ + - + + + - -	- - - - -	1/25-13	2/81	
15292	T3-10-15292	SU	11	20	+ + - + - + - -	- - - - -	1/25-13	2/81	
15293	T0-11-15293	SU	12	22	+ + - + + + - -	- - - - -	1/26-11	2/82	
15293	T3-11-15293	SU	12	22	+ + - + - + - -	- - - - -	1/26-11	2/82	









# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes		Alternativ-Typ Alternative-Type Type alternatif
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /N/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15453	T5-3-15453	SE	2	6	+ - + - - + - +	- - - - -		3/64	
15461	T0-2-15461	ST	2	4	+ + - + + + -	- - - - -		2/70	T0-2-15522
15461	T3-2-15461	ST	2	4	+ + - + - + -	- - - - -		2/70	T3-2-15522
15461	T4A-2-15461	ST	2	4	- - - - -	- - - - -			T5B-2-15461
15461	T5B-2-15461	ST	2	4	+ - + - - + + -	- - - - -		3/63	
15461	T5-2-15461	ST	2	4	+ - + - - + - +	- - - - -		3/63	
15462	T0-1-15462	ST	2	2	+ + - + + + -	- - - - -	1/04-24	2/70	
15462	T3-1-15462	ST	2	2	+ + - + - + -	- - - - -	1/04-24	2/70	
15462	T4A-1-15462	ST	2	2	- - - - -	- - - - -			T5B-1-15462
15462	T5B-1-15462	ST	2	2	+ - + - - + + -	- - - - -		3/63	
15462	T5-1-15462	ST	2	2	+ - + - - + - +	- - - - -		3/63	
15463	T0-2-15463	ST	2	4	+ + - + + + -	- - - - -	1/05-20	2/70	
15463	T3-2-15463	ST	2	4	+ + - + - + -	- - - - -	1/05-20	2/70	
15463	T4A-2-15463	ST	2	4	- - - - -	- - - - -			T5B-2-15463
15463	T5B-2-15463	ST	2	4	+ - + - - + + -	- - - - -		3/63	
15463	T5-2-15463	ST	2	4	+ - + - - + - +	- - - - -		3/63	
15471	T0-1-15471	E	2	1	+ + - + + + -	- - - - -	1/04-02	2/06	
15471	T3-1-15471	E	2	1	+ + - + - + -	- - - - -	1/04-02	2/06	
15471	T4A-1-15471	E	2	1	- - - - -	- - - - -			T5B-1-15471
15471	T5B-1-15471	E	2	1	+ - + - - + + -	- - - - -		3/05	
15471	T5-1-15471	E	2	1	+ - + - - + - +	- - - - -		3/05	
15472	T0-1-15472	E	2	2	+ + - + + + -	- - - - -	1/04-15	2/06	
15472	T3-1-15472	E	2	2	+ + - + - + -	- - - - -	1/04-15	2/06	
15472	T4A-1-15472	E	2	2	- - - - -	- - - - -			T5B-1-15472
15472	T5B-1-15472	E	2	2	+ - + - - + + -	- - - - -		3/05	
15472	T5-1-15472	E	2	2	+ - + - - + - +	- - - - -		3/05	
15473	T0-2-15473	E	2	3	+ + - + + + -	- - - - -	1/04-35	2/06	
15473	T3-2-15473	E	2	3	+ + - + - + -	- - - - -	1/04-35	2/06	
15473	T4A-2-15473	E	2	3	- - - - -	- - - - -			T5B-2-15473
15473	T5B-2-15473	E	2	3	+ - + - - + + -	- - - - -		3/05	
15473	T5-2-15473	E	2	3	+ - + - - + - +	- - - - -		3/05	
15474	T0-2-15474	E	2	4	+ + - + + + -	- - - - -	1/05-12	2/06	
15474	T3-2-15474	E	2	4	+ + - + - + -	- - - - -	1/05-12	2/06	
15474	T4A-2-15474	E	2	4	- - - - -	- - - - -			T5B-2-15474
15474	T5B-2-15474	E	2	4	+ - + - - + + -	- - - - -		3/05	
15474	T5-2-15474	E	2	4	+ - + - - + - +	- - - - -		3/05	
15475	T0-3-15475	E	2	5	+ + - + + + -	- - - - -	1/05-24	2/06	
15475	T3-3-15475	E	2	5	+ + - + - + -	- - - - -	1/05-24	2/06	
15475	T4A-3-15475	E	2	5	- - - - -	- - - - -			T5B-3-15475
15475	T5B-3-15475	E	2	5	+ - + - - + + -	- - - - -		3/05	
15475	T5-3-15475	E	2	5	+ - + - - + - +	- - - - -		3/05	
15476	T0-3-15476	E	2	6	+ + - + + + -	- - - - -	1/05-31	2/06	
15476	T3-3-15476	E	2	6	+ + - + - + -	- - - - -	1/05-31	2/06	
15476	T4A-3-15476	E	2	6	- - - - -	- - - - -			T5B-3-15476
15476	T5B-3-15476	E	2	6	+ - + - - + + -	- - - - -		3/05	
15476	T5-3-15476	E	2	6	+ - + - - + - +	- - - - -		3/05	
15481	T0-1-15481	E	2	1	+ + - + + + -	- - - - -	1/04-05	2/06	
15481	T3-1-15481	E	2	1	+ + - + - + -	- - - - -	1/04-05	2/06	
15481	T4A-1-15481	E	2	1	- - - - -	- - - - -			T5B-1-15481
15481	T5B-1-15481	E	2	1	+ - + - - + + -	- - - - -		3/05	
15481	T5-1-15481	E	2	1	+ - + - - + - +	- - - - -		3/05	
15482	T0-1-15482	E	2	2	+ + - + + + -	- - - - -	1/04-16	2/06	
15482	T3-1-15482	E	2	2	+ + - + - + -	- - - - -	1/04-16	2/06	
15482	T4A-1-15482	E	2	2	- - - - -	- - - - -			T5B-1-15482
15482	T5B-1-15482	E	2	2	+ - + - - + + -	- - - - -		3/05	
15482	T5-1-15482	E	2	2	+ - + - - + - +	- - - - -		3/05	
15483	T0-2-15483	E	2	3	+ + - + + + -	- - - - -	1/04-37	2/06	



# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif	
Nr. No. No.				Con- tacts	/E /EZ /X /XZ /VS /Z /I /CI19	/I/SVB /CI19/SVB /EA/SVB /I/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15552	T0-9-15552	BA	5	17	+ + - + + + - -	- - - -	1/24-09	2/89	
15552	T3-9-15552	BA	5	17	+ + - + + + - -	- - - -	1/24-09	2/89	
15553	T0-9-15553	BA	6	18	+ + - + + + - -	- - - -	1/24-10	2/90	
15553	T3-9-15553	BA	6	18	+ + - + + + - -	- - - -	1/24-10	2/90	
15554	T0-6-15554	BA	6	12	+ + - + + + - -	- - - -	1/24-08	2/90	
15554	T3-6-15554	BA	6	12	+ + - + + + - -	- - - -	1/24-08	2/90	
15579	T4A-4-15579	EA	2	8	- - - - - - - -	- - - -			
15579	T5B-4-15579	EA	2	8	+ - + - - + + -	+ - + +			T5B-4-15579
15579	T5-4-15579	EA	2	8	+ - + - - + + -	- + + +			
15580	T41A-6-15580	EA	2	12	- - - - - - - -	- - - -			T5-4-15579
15600	T0-3-15600	SP	3	5	+ + - + + + - -	- - - -	1/09-18	2/77	
15600	T3-3-15600	SP	3	5	+ + - + - + + -	- - - -	1/09-18	2/77	
15601	T0-4-15601	SP	8	8	+ + - + + + + -	- - - -	1/21-25		
15601	T3-4-15601	SP	8	8	+ + - + - + + -	- - - -	1/21-25		
15602	T0-4-15602	CD	10	8	+ + - + + + - -	- - - -	1/22-26	2/76	
15602	T3-4-15602	CD	10	8	+ + - + - + + -	- - - -	1/22-26	2/76	
15603	T0-4-15603	CD	10	8	+ + - + + + + -	- - - -	1/23-01	2/76	
15603	T3-4-15603	CD	10	8	+ + - + - + + -	- - - -	1/23-01	2/76	
15604	T0-4-15604	CD	10	8	+ + - + + + + -	- - - -	1/23-02	2/76	
15604	T3-4-15604	CD	10	8	+ + - + - + + -	- - - -	1/23-02	2/76	
15606	T0-4-15606	CD	10	8	+ + - + + + + -	- - - -	1/23-03		
15606	T3-4-15606	CD	10	8	+ + - + - + + -	- - - -	1/23-03		
15611	T0-8-15611	UG	7	15	+ + - + + + - -	- - - -			
15611	T3-8-15611	UG	7	15	+ + - + - + - -	- - - -			
15611	T4A-10-15611	UG	7	15	- - - - - - - -	- - - -			T5B-10-15611
15611	T5B-10-15611	UG	7	15	+ - + - - + - -	- - - -		3/60	
15611	T5-10-15611	UG	7	15	+ - + - - + - -	- - - -		3/60	
15642	T0-2-15642	SE	3	4	+ + - + + + - -	- - - -	1/09-05	2/72	
15642	T3-2-15642	SE	3	4	+ + - + - + + -	- - - -	1/09-05	2/72	
15643	T0-5-15643	W	6	10	+ + - + + + - -	- - - -	1/20-13	2/12	
15643	T3-5-15643	W	6	10	+ + - + - + - -	- - - -	1/20-13	2/12	
15643	T4A-5-15643	W	6	10	- - - - - - - -	- - - -			T5B-5-15643
15643	T5B-5-15643	W	6	10	+ - + - - + - -	- - - -		3/12	
15643	T5-5-15643	W	6	10	+ - + - - + - -	- - - -		3/12	
15679	T0-2-15679	EA	2	4	+ + - + + + - -	+ - + +	1/05-03	2/04	T0-2-15169
15679	T3-2-15679	EA	2	4	+ + - + - + + -	+ - + +	1/05-03	2/04	T3-2-15169
15680	T0-3-15680	EA	2	6	+ + - + + + - -	+ - + +	1/05-27	2/04	T0-3-130
15680	T3-3-15680	EA	2	6	+ + - + - + + -	+ - + +	1/05-27	2/04	T3-3-130
15681	T0-3-15681	EA	2	6	+ + - + + + - -	+ - + +	1/05-28	2/04	
15681	T3-3-15681	EA	2	6	+ + - + - + + -	+ - + +	1/05-28	2/04	
15682	T0-4-15682	EA	2	8	+ + - + + + - -	+ - + +	1/06-08	2/05	
15682	T3-4-15682	EA	2	8	+ + - + - + + -	+ - + +	1/06-08	2/05	
15683	T0-3-15683	EA	2	6	+ + - + + + - -	+ - + +	1/05-29	2/04	
15683	T3-3-15683	EA	2	6	+ + - + - + + -	+ - + +	1/05-29	2/04	
15690	T41A-6-15690	EA	2	6	- - - - - - - -	- - - -			T5-3-8342
15700	T0-4-15700	EA	2	8	+ + - + + + - -	+ - + +	1/06-10	2/05	
15700	T3-4-15700	EA	2	8	+ + - + - + + -	+ - + +	1/06-10	2/05	
15700	T4A-4-15700	EA	2	8	- - - - - - - -	- - - -			T5B-4-15700
15700	T5B-4-15700	EA	2	8	+ - + - - + + -	- + + +		3/03,04	
15700	T5-4-15700	EA	2	8	+ - + - - + + -	- + + +		3/03,04	
15701	T0-7-15701	EA	2	14	+ + - + + + - -	- - - -		2/05	T5-4-15700
15701	T3-7-15701	EA	2	14	+ + - + - + - -	- - - -		2/05	T5-4-15700
15701	T44A-5-15701	EA	2	14	- - - - - - - -	- - - -			T5B-4-15700
15833	T0-4-15833	SP	4	7	+ + - + + + - -	- - - -	1/15-08	2/77	
15833	T3-4-15833	SP	4	7	+ + - + - + + -	- - - -	1/15-08	2/77	
15834	T0-2-15834	SE	4	4	+ + - + + + - -	- - - -	1/14-25	2/74	
15834	T3-2-15834	SE	4	4	+ + - + - + + -	- - - -	1/14-25	2/74	





# Standardschaltungen

## Standard contact sequences / Schémas standards

1	2	3	4	5	6	7	8	9	10
Schaltung Contact sequence Schéma	Typ Type Type	Art Form	FS- Pos.	Kon- takte Con- tacts	Bauformen Mounting form Type de montage	Hauptschalter Main switch Interrupteur général	Schaltbild Contact diagram Diagrammes	Alternativ-Typ Alternative-Type Type alternatif	
Nr. No. No.					/E /EZ /X /XZ /VS /Z /I /C19	/I/SVB /C19/SVB /EA/SVB /V/SVB	Seite-Bild-Nr. Page-Pict.-No. Page-Pict.-No.	Seite Page Page	
15907	T3-2-15907	SE	4	4	+ + - + - + + -	- - - -	1/14-03	2/74	
15915	T0-4-15915	SP	5	7	+ + - + + + + -	- - - -	1/18-10	2/77	
15915	T3-4-15915	SP	5	7	+ + - + - + + -	- - - -	1/18-10	2/77	
15916	T0-3-15916	MU	6	6	+ + - + + + + -	- - - -	1/20-04	2/59	T0-3-15924
15916	T3-3-15916	MU	6	6	+ + - + - + + -	- - - -	1/20-04	2/59	T3-3-15924
15917	T0-3-15917	MU	4	5	+ + - + + + + -	- - - -	1/14-28		
15917	T3-3-15917	MU	4	5	+ + - + - + + -	- - - -	1/14-28		
15918	T0-2-15918	MU	3	4	+ + - + + + + -	- - - -	1/09-01	2/58	T0-2-15922
15918	T3-2-15918	MU	3	4	+ + - + - + + -	- - - -	1/09-01	2/58	T3-2-15922
15919	T0-2-15919	MU	3	4	+ + - + + + + -	- - - -	1/09-02	2/58	T0-2-15923
15919	T3-2-15919	MU	3	4	+ + - + - + + -	- - - -	1/09-02	2/58	T3-2-15923
15920	T0-2-15920	MU	4	4	+ + - + + + + -	- - - -	1/13-41	2/58	
15920	T3-2-15920	MU	4	4	+ + - + - + + -	- - - -	1/13-41	2/58	
15921	T0-2-15921	MU	4	4	+ + - + + + + -	- - - -	1/14-01	2/58	
15921	T3-2-15921	MU	4	4	+ + - + - + + -	- - - -	1/14-01	2/58	
15922	T0-2-15922	MU	3	4	+ + - + + + + -	- - - -	1/08-20	2/58	
15922	T3-2-15922	MU	3	4	+ + - + - + + -	- - - -	1/08-20	2/58	
15923	T0-2-15923	MU	3	4	+ + - + + + + -	- - - -	1/08-21	2/58	
15923	T3-2-15923	MU	3	4	+ + - + - + + -	- - - -	1/08-21	2/58	
15924	T0-3-15924	MU	6	6	+ + - + + + + -	- - - -	1/20-02	2/58	
15924	T3-3-15924	MU	6	6	+ + - + - + + -	- - - -	1/20-02	2/58	
15925	T0-5-15925	MU	4	9	+ + - + + + - -	- - - -	1/15-18	2/60	
15925	T3-5-15925	MU	4	9	+ + - + - + - -	- - - -	1/15-18	2/60	
15951	T0-4-15951	W	3	7	+ + - + + + + -	- - - -	1/10-25		
15951	T3-4-15951	W	3	7	+ + - + - + + -	- - - -	1/10-25		

**Gegenüberstellung alte / neue Schaltungsnummern**  
 Comparison of old and new type references / Numéros de schémas modifiés

früherer Typ Previous Type Ancienne réf.	Ersatz-Typ Replacement Nouvelle référence	früherer Typ Previous Type Ancienne réf.	Ersatz-Typ Replacement Nouvelle référence
T1-	T0-	T1-1- 110	T0-1-15110
T2B-	T0-	T46-5- 110	P3-100/.../N
T2-	T3-	T...-...- 111	T...-1-15111
T20B-1	P1-25	T41-4- 111	P3-100/.../N
T20-1	P1-32	T...-...- 112	T...-2-15112
T21-3- 1	P1-32	T24-3- 114	T3-3-8401
T26-3- 1	P1-32	T24-3- 116	P1-32/...+UV
T4-	T5B-	T41-8- 120	T5-4-88
T41-	T5-	T...-...- 127	--
T44-	T5B-	T...-...- 128	--
T46-	T5-	T...-...- 129	--
T4-2- 1	P3-63	T...-...- 138	T...-...-34170*
T41-3- 1	P3-100	T...-...- 139	T...-...-34175*
T44-2- 1	P3-63	T24-3- 166	T3 -3 -15680
T46-3- 1	P3-100	T...-...- 167	T...-...-34176*
T4A-	T5B-	T...-...- 168	T...-...-34177*
T41A-	T5-	T...-...- 169	--
T44A-	T5B-	T1-2- 434	T0-2-15921
T46A-	T5-	T1-...- 612	T0-2-15922
T4A-2- 1	P3-63	T1-...- 1770	T0-3-15916
T41A-3-1	P3-100	T1-...- 2098	T0-3-15098
T44A-2-1	P3-63	T20B-1- 8200	T0-1- 8200
T46A-3-1	P3-100	T20-1- 8200	T3-1- 8200
T26-3- 12	P1-32	T...-...- 8279	T...-3-8297
T26-6- 13	T3-6-13	T...-...- 8411	T...-...-34178*
T4-...- 13	T5B-5-15892	T...-...- 8412	T...-...-34179*
T4-...- 14	T5B-6-15893	T...-...- 8415	--
T41-6- 15	T5B-3-8342	T...-...- 8527	T...-2-15432
T4-3- 19	T5B-3-130	T...-...- 11277	T...-2-15906
T4-3- 19	P3-63/.../N/HI11	T4-...- 15046	T5B-2-15114
T26-4- 22	T3-4-22	T4-...- 15113	T5B-2-15114
T4-...- 22	T5B-3-8341	T...-...- 15143	T...-3-8451
T...-...- 26	T...-5-15896	T...-...- 15159	T...-3-15680
T...-...- 27	T...-7-15897	T...-...- 15237	T...-9-15236
T...-...- 28	T...-6-15898	T26-4- 15256	T3-4-15256
T...-...- 40	--	T4-...- 15259	T5B-3-15260
T...-...- 51	T...-6-15896	T26-4- 15260	P1-32/.../2HI11
T1-...- 52	T0-5-15892	T...-...- 15263	T...-1-102
T4-...- 52	T5B-7-15897	T...-...- 15267	T...-2-8324
T1-...- 53	T0-6-15893	T...-...- 15642	T...-2-8711
T4-...- 53	T5B-6-15898	T4-...- 15681	T5B-3-15284
T...-...- 54	T...-...-34171*	T4-...- 15682	T5B-4-15164
T...-...- 57	T...-...-34172*	T4-...- 15683	T5B-3-15159
T...-...- 58	T...-...-34173*	T...-...- 15843	T...-2-15834
T...-...- 59	T...-...-34174*	T4-...- 15866	T5B-7-66
T...-...- 60	T...-2-1	T4-...- 15867	T5B-9-67
T...-...- 61	T...-3-8401	T...-...- 15877	T...-5-15896
T...-...- 62	T...-2-1	T...-...- 19364	T...-4-15602
T26-3- 62	P1-32	T...-...- 19433	T...-4-15603
T...-...- 63	T...-3-21		
T4-...- 83	T5B-3-80		
T20B-1-102	T0-1-102		
T20-1- 102	T3-1-102		
T24-2- 105	P1-32		
T44-2- 105	P3-63		
T...-...- 108	T...-1-15108		
T46-3- 108	P3-100		
T...-...- 109	T...-1-15109		
T44-3- 109	P3-63/.../N		

\* nicht für moderne, verlustarme Motoren geeignet (hoher Einschaltstrom)

\* not suitable for modern, low loss motors (high starting current)

\* pas adapté aux moteurs modernes à faibles pertes (courant de démarrage élevé)

# Nockenschalter T mit Sonderschaltung

## Typenbezeichnung

T		-		/		+	
Baugröße	Anzahl der Baueinheiten (BE) (2 Kontakte je Baueinheit)	Schaltungsnummer mit Nationalitätskennzeichen des Herstellungslandes. Bei Erstbestellung SOND-FO2 eintragen und ausgefülltes Blatt (wie unten) beifügen. Schaltungs- nummer wird vom Lieferwerk festgelegt. Zur Nachbestellung ist die Typenbezeichnung ausreichend.	Bauform	Zusatzrüstung			
	BE max.	Kontakte max.		Bei jeder Bestellung stets vollständig angeben! Für TM: ../EZ: nur /S... möglich			
T0	T0: 11	22	Einbau „/E“				
T3	T3: 11	22	Zentraleinbau „/EZ“ (für T0, T3)				
T5B	T5B: 10	20	Aufbau „/I, C119 bei T5“				
T5	T5: 10	20	(bis 4 Baueinheiten)				
TM	TM: 8	16	Verteilereinbau „/IVS“ (für T0)				
			Zwischenbau „/Z“				
			Einbau-Hauptschalter „/EA/SVB“				
			Aufbau-Hauptschalter „/I/SVB“				
			Zwischenbau- Hauptschalter „/V/SVB“				
			Bauformen für TM:				
			„/E“ oder „/EZ“				

## Projektierungshinweise

### Schaltung

Nebenstehendes Formblatt FO 2 erleichtert Ihnen die Festlegung der Schaltung. FO 2 ist geeignet zur Versendung per Telefax. Kopiervorlage → Seite 4/59

### Schaltwinkel

30, 40, 60, 90°  
Vorzugswerte: 60°  
für EIN-AUS-Schalter: 90°  
für Hauptschalter: 90° wie FS 908

Umschaltung mit Unterbrechung zwischen 2 Stellungen (EIN-AUS-EIN) nicht zulässig bei T0; T3 und TM = 30°, 45°; bei T5(T5B) = 30°

Es ist möglich, daß sich aus technischen Gründen die Reihenfolge der Kontakte ändert. Bei Sonderschaltern sind die Brücken vorzugsweise so anzuordnen, daß Klemmen miteinander gebrückt werden, die eine Differenz von 4 haben, z. B. die Klemmen 1-5-9; 2-6-10; 3-7-11 oder 4-8-12. Solche Brücken sind lösbar (gilt auch für Standardschalter), während Brücken 1-3, 2-4, 5-7, 6-8 nicht lösbar sind, weil sie sich innerhalb des Schalters befinden. Brücken zwischen einer geraden Zahl und einer ungeraden Zahl (z. B. 2-3) sind ab Werk nicht möglich. Solche Verbindungen sind vom Anwender bei der Installation herzustellen.

### Selbsttätiger Rückzug

Die Schaltbewegung wird durch einen Anschlag begrenzt. Der Rückzug erfolgt in die letzte gerastete Stellung. Bei 2seitigem Rückzug dürfen dazwischen max. 3 Raststellungen liegen. Der Rückzugwinkel ist  $\approx \frac{1}{2}$  Schaltwinkel.

### Wischkontakte

Die Wischzeit des Kontaktes hängt wesentlich von der Betätigungsgeschwindigkeit ab. Um ein Schütz mit einem Wischimpuls anzusteuern, darf der Schaltwinkel des Nockenschalters nicht kleiner als 60° sein, weil bei kleinerem Schaltwinkel die Impulszeit zu kurz sein kann.

### Rundschaltung

Nur bei 360°-Gesamtschaltwinkel möglich. Hierbei kann die Schaltbewegung beliebig in beiden Drehrichtungen erfolgen. Die Zahl der Schaltstellungen multipliziert mit dem Schaltwinkel muß 360° ergeben. TM mit 12 Stellungen je 30° ist nur mit Rundschaltung, nicht mit Anschlag möglich.

### Anzahl der Baueinheiten

Anzahl der Kontakte  $\frac{\quad}{2}$  = auf ganze Zahl aufrunden

Die Schaltkammer = Baueinheit (BE) hat 1 oder 2 Kontakte, die von der Nockenscheibe betätigt werden. Bei T5(T5B) ist das eine gemeinsame Nockenscheibe für beide Kontakte. Deshalb gilt für T5(T5B) folgendes:  
Bei einem Gesamt-Schaltwinkel **unter 180°** sind die Kontakte **unabhängig** voneinander schaltbar. Ab 180°-Schaltwinkel können nur dann 2 Kontakte in der gleichen BE sein, wenn deren Schaltprogramm übereinstimmt, ab **180°** ist (z.B. Stufen-

<b>telebrief FACSIMILE TELEFAX</b>	Telefax-Anschluß der Sendestelle Telefax connection of sender Coordonnées téléfax de l'expéditeur	Seitenzahl No. of / de pages	Dienstvermerke Reference Référence	No.	(Datum / Date)
An / To / A: (Empfänger / Adresse / Destinataire)		Gebühr Fee Taxe	Sendezeit, Name / Transm. time, name / Heure d'émission, nom		
Von / From / De: (Absender / Sender / Expéditeur)					

MOELLER

**Nockenschalter T**  
Rotary switch  
Commutateur à cames

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<b>Typ:</b> Type: Référence: <b>Stückzahl:</b> Quantity: Quantité: <b>DM/Stück:</b> DM/piece: DM/piece:	<b>Aussteller:</b> Writer: Responsable: <b>Kunden-Auftrags-Nr.</b> Customer's Order No.: No. de la commande du client: <b>Versandvorschrift:</b> Shipping instruction: Instructions d'expédition:	<b>Datum:</b> Date:																																																																																																																																																																																															
<b>Schaltwinkel</b> Switching angle Angle de balayage: <b>90/45</b> <b>Frontschild Nr.</b> Front Plate No. Plastron no.	<b>Baueinheiten / Contact units / Galettes</b> <table border="1" style="width: 100%; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table>		1	2	3	4	5	6	7	8																																																																																																																																																																																							
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## Type reference

Switch size	Number of contact units (BE) (Max. of 2 contacts per unit) Max. units    Max. contacts	Contact sequence number	Mounting form	Accessories
T0	T0: 11	With nationality. For initial order specify SOND-FO2 and enclose completed form (see below). Sequence number is issued by factory.	"E" "EZ" "Z" "I"	cover mounting single hole mounting (T0 and T3 only) base mounting surface mounting up to four units
T3	T3: 11	For subsequent orders, type suffix is sufficient.	"I/SVB" "EA/SVB" "V/SVB"	surface mounting main switch cover mounting main switch interlocked base moun- ting main switch
T5B	T5B: 10			
T5	T5: 10			
TM	TM: 8			

## Design notes

### Contact sequences

The form FO 2 shown alongside makes it easy to determine the contact sequence. Form FO 2 can be sent by telefax. See Page 4/59 for copy.

### Switching angles

30, 45, 60, 90°  
Preferred angle: 60°  
For On-Off switches: 90°  
For main switches: 90°, as FS 908

No interruption of contact between two switching positions (On-Off-On) on T0; at switching angles of 30° and 45° on T3, at switching angle of 30° on T5(B)

### Spring return

Switching movement is limited by a stop. The switch returns under spring pressure from the last position in each direction. Where a switch has spring return from both directions, a maximum of three positions can be traversed.

### Wiping contact

Duration of contact depends primarily on the speed of actuation. If a contactor is to be actuated by means of wiping contact, the switching angle must not be less than 60°, or the switching pulse may be too short.

### Fully rotational switch

Possible only with a total switching angle of 360°. Unrestricted rotation in either direction. The number of switch positions multiplied by the switching angle must equal 360.

### Number of contact units

Number of contacts  $\frac{\text{Number of contacts}}{2}$  = Round up to nearest whole number

Each contact chamber = contact unit (BE) has 1 or 2 contacts operated by the cam. On T5(B) switches one cam operates both contacts, consequently:

Where the total switching angle **less than 180°**, each contact can be operated independently. At switching angles of 180° or above, two contacts per chamber are possible only if their switching sequences are the same, but offset by 180° (e.g. T5B-4-8235 step switch)

The sequence of the contacts may be changed if technical reasons so dictate. For non-standard switches, it is preferable to arrange the links so that the terminals which have a difference of four are linked with one another, e.g. terminals 1-5-9; 2-6-10; 3-7-11- or 4-8-12. Such links can be removed (also applies for standard switches), whereas links 1-3, 2-4, 5-7, 6-8 can not be removed because they are situated within the switch. Links between an even number and an odd number (e.g. 2-3) must be supplied by the user.

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Es ist möglich, daß sich aus technischen Gründen die Reihenfolge der Kontakte ändert.  
 Il est possible que, pour des raisons techniques, l'ordre des contacts peut changer pour raisons techniques.

FO2

# Commutateurs à cames T à schémas spéciaux

## Référence

T	Taille	Nombre de galettes de contact (2 contacts par galette)	Numéro de schéma avec symbole de nationalité.	Modèle	Equipements complémentaires
		Galettes max. / Contacts max.	A la première commande, indiquer SOND-FO2 et joindre le formulaire rempli (voir ci-dessous). Le numéro de schéma est attribué par l'usine. Pour toute commande ultérieure, il suffit d'indiquer la référence avec ce numéro de schéma.	<ul style="list-style-type: none"> <li>- à encastrer « /E »</li> <li>- à encastrer avec fixation centrale « /EZ » (pour T0, T3)</li> <li>- en saillie « /I, CI19 » pour T5 (jusqu'à 4 galettes)</li> <li>- à encastrer en tableau modulaire « /VS » (pour T0)</li> <li>- à encastrer avec fixation arrière « /Z »</li> <li>- interrupteur général à encastrer « /EA/SVB »</li> <li>- interrupteur général en saillie « I/SVB »</li> <li>- interrupteur général à encastrer avec fixation arrière « /V/SVB »</li> <li>- pour les mini-commutateurs TM: « /E » ou « /EZ »</li> </ul>	A indiquer à chaque commande! Pour TM: .../EZ: uniquement /S-.. possible
T0	T0:	11 / 22			
T3	T3:	11 / 22			
T5B	T5B:	10 / 20			
T5	T5:	10 / 20			

## Directives d'étude

### Schéma

L'imprimé FO 2 ci-contre vous aidera à établir le schéma du commutateur. Il convient pour les commandes par télécopie.  
Modèle pour photocopie → page 4/61

L'ordre des contacts peut être modifié pour des raisons techniques.

Sur les commutateurs spéciaux, disposer les ponts de manière à relier les bornes ayant une différence de 4 dans leur numérotation, par ex. 1-5-9-, 2-6-10-, 3-7-11- ou 4-8-12. Ces ponts sont amovibles (cela s'applique également aux commutateurs standards), contrairement aux ponts 1-3, 2-4, 5-7, 6-8 qui se trouvent à l'intérieur du commutateur. Les ponts entre un nombre pair et impair (par ex. 2-3) ne sont pas réalisables en usine. Ces liaisons doivent être établies par l'utilisateur lors de l'installation.

### Angles de rotation

30, 45, 60, 90°  
Valeur préférentielle : 60°  
pour commutateurs Marche-Arrêt : 90°  
pour interrupteurs généraux : 90° comme FS 908

Coupure entre 2 positions (Marche-Arrêt-Marche) non admise pour T0  
Angle de rotation : T3 et TM = 30°, 45°;  
T5 (T5B) = 30°

### Retour automatique

Le mouvement de rotation est limité par une butée. Le retour automatique s'effectue au moment de la rencontre de la butée. En cas de retour des deux côtés, il ne doit y avoir que 3 positions intermédiaires. Angle de retour ≈ 1/2 angle de rotation

### Contacts fugitifs

La durée du contact dépend essentiellement de la vitesse de manœuvre. Pour piloter un contacteur avec une impulsion fugitive, l'angle de rotation du commutateur ne doit pas être inférieur à 60°, sinon la durée d'impulsion risque d'être trop courte.

### Rotation totale dans les deux sens

Possible uniquement pour un angle total de 360°. La rotation peut s'effectuer dans les 2 sens. La multiplication du nombre de positions par l'angle de rotation doit être égale à 360°. TM avec 12 positions de 30° chacune, possible uniquement avec rotation complète, sans butée

### Nombre de galettes de contact

Nombre de contacts = arrondir au nombre entier supérieur

$$\frac{\text{Nombre de contacts}}{2} = \text{arrondir au nombre entier supérieur}$$

Les galettes sont équipées d'1 ou 2 contacts actionnés par cames.  
Sur le T5 (T5B), les 2 contacts sont actionnés par une came commune. Il en résulte que si l'angle de rotation total est inférieur à 180°, les contacts peuvent être commutés indépendamment l'un de l'autre. A partir d'un angle de rotation de 180°, une même galette peut comporter 2 contacts décalés de 180° à condition que les fonctions de ces deux contacts soient identiques (par ex. commutateur à gradins T5B-4-8235).

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**MOELLER** **Nockenschalter T**  
Rotary switch  
Commutateur à cames

<p><b>Typ:</b> Type: Référence:</p> <p><b>Stückzahl:</b> Quantity: Quantité:</p> <p><b>DM/Stück:</b> DM/piece: DM/pièce:</p> <p><b>Schaltwinkel</b> Switching angle Angle de rotation: <b>90/45</b></p> <p><b>Frontschild Nr.</b> Front Plate No. Plastron no.</p> <p><input type="radio"/> STANDARD <input checked="" type="checkbox"/> SOND</p> <div style="text-align: center;"> </div> <p><b>Rundschtaltung</b> <input type="radio"/> Complete rotation Rotation totale</p> <p><input checked="" type="checkbox"/> autom. Rückzug Spring return Retour automatique</p> <p><b>Schaltstellungsbezeichnung</b> Switch position marking Designation des positions</p> <table border="1" style="font-size: small;"> <thead> <tr> <th></th> <th>Grad Degree Degré</th> <th>1</th> <th>3</th> <th>5</th> <th>7</th> <th>9</th> <th>11</th> <th>13</th> <th>15</th> <th>17</th> <th>19</th> <th>21</th> <th>23</th> <th>25</th> <th>27</th> <th>29</th> <th>31</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>270</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>2</td> <td>0</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>3</td> <td>90</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>4</td> <td>135</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </tbody> </table>		Grad Degree Degré	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	1	270	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	2	0	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	3	90	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	4	135	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	<p><b>Aussteller:</b> Writer: Responsible:</p> <p><b>Datum:</b> Date:</p> <p><b>Kunden-Auftrags-Nr.</b> Customer's Order No.: No. de la commande du client:</p> <p><b>Versandvorschrift:</b> Shipping instruction: Instructions d'expédition:</p> <p><b>Baueinheiten / Contact units / Galettes</b></p> <table border="1" style="font-size: small; text-align: center;"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td> </tr> </table> <div style="text-align: center;"> </div> <p style="text-align: center;">au choix</p>	1	2	3	4	5	6	7	8
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**MOELLER**



**Nockenschalter T**  
Rotary switch  
Commutateur à cames

<b>Typ:</b> Type: Référence:	<b>Aussteller:</b> Writer: Responsable:	<b>Datum:</b> Date:
<b>Stückzahl:</b> Quantity: Quantité:	<b>Kunden-Auftrags-Nr.:</b> Customer's Order No.: No. de commande client:	
<b>DM/Stück:</b> DM/piece: Prix unitaire:	<b>Nr.</b>	<b>Versandvorschrift:</b> Shipping instruction: Consignes d'expédition:

**Schaltwinkel**  
Switching angle  
Angle de rotation \_\_\_\_\_ °

**Frontschild Nr.**  
Front Plate No.  
Plastron N° \_\_\_\_\_

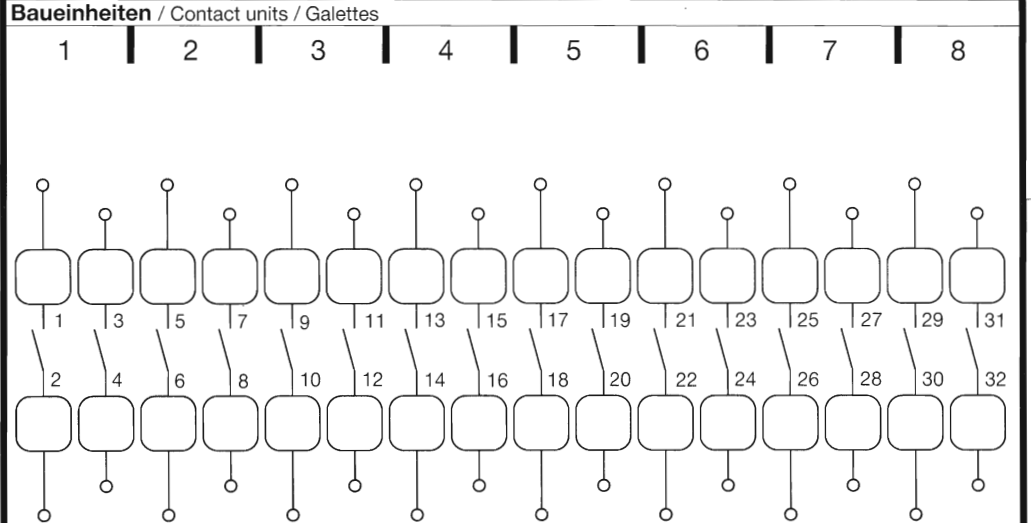
**STANDARD**     **SOND**

**Rundschaltung**  
 Complete rotation  
Rotation totale

**autom. Rückzug**  
 Spring return  
Retour automatique

**Schaltstellungsbezeichnung**  
Switch position marking  
Repérage des positions

<b>Grad</b> Degree Degrés	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32





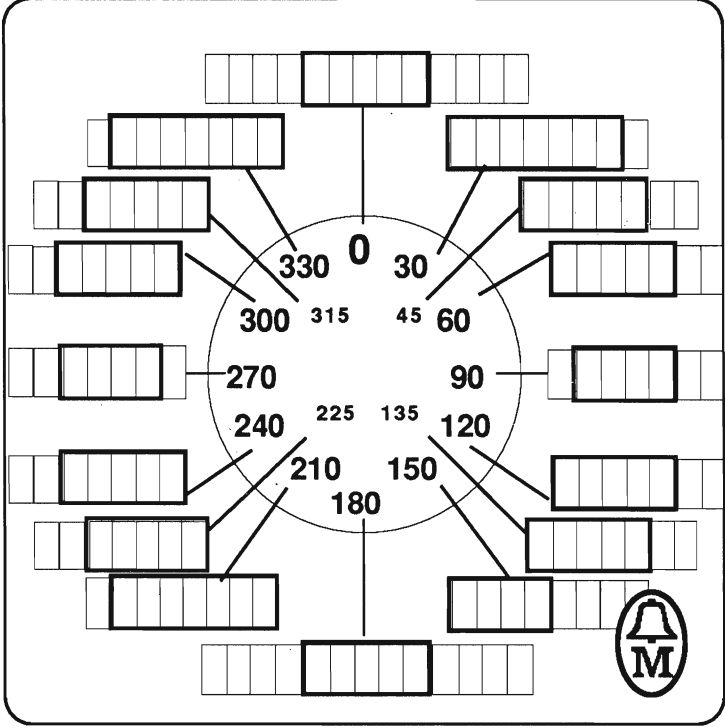
Schlüssel abziehbar  
Key removable  
Retrait de la clé

**Werks-Nr.:**  
Factory No.:  
N° de l'usine:

Es ist möglich, daß sich aus technischen Gründen die Reihenfolge der Kontakte ändert.  
The sequence of contacts may be changed for technical reasons.  
L'ordre des contacts peut être modifié pour des raisons techniques.

<b>telebrief</b> <b>FACSIMILE</b> <b>TELEFAX</b>	<b>Telefax-Anschluß der Sendestelle</b> Telefax connection of sender No. télécopieur de l'expéditeur	<b>Seitenzahl</b> No. of pages Nbre de pages	<b>Dienstvermerke</b> Reference Référence	<b>No.</b>	<b>Datum /Date</b>
<b>An / To / A:</b> (Empfänger / Adressée / Destinataire)			<b>Gebühr</b> Fee Taxe	<b>Sendezeit, Name / Transm. time,</b> name / Heure d'émission, nom	
<b>Von / From / De:</b> (Absender / Sender / Expéditeur)					

Kopiervorlage / Copy specimen / Modèle de copie

<b>MOELLER</b> 		<b>Frontschild</b> Front plate Plastron	<b>Sonderbeschriftung</b> Non-standard inscription Inscription spéciale
<b>Typ:</b> Type: Référence:		<b>Aussteller:</b> Writer: Responsable:	<b>Datum:</b> Date:
<b>Stückzahl:</b> Quantity: Quantité:	<b>Nr.</b>	<b>Kunden-Auftrags-Nr.:</b> Customer's Order No.: N° de commande client:	
<b>DM/Stück:</b> DM/piece: DM/pièce:		<b>Versandvorschrift:</b> Shipping instruction: Consignes d'expédition:	
<b>Frontschild mit Sonderbeschriftung</b> silberfarbig mit schwarzer Schrift  Text eintragen  außerhalb der Umrandungen die max. mögliche Zeichenzahl beachten!  <b>Typ</b> <input type="radio"/> <b>FS-SOND-T0 (T3, P1)</b> Schrifthöhe bis zu 2 Zeichen 4 mm mehr als 2 Zeichen 3 mm <input type="radio"/> <b>FS-SOND-P3 (T5, T5B)</b> Schrifthöhe bis zu 2 Zeichen 8 mm mehr als 2 Zeichen 5 mm <input type="radio"/> <b>FS-SOND-TM-E</b> <input type="radio"/> <b>FS-SOND-TM-EZ</b>  Schrifthöhe bis zu 2 Zeichen ca. 3,5 mm mehr als 2 Zeichen 2,5 mm			
			
Für P1 und P3 nur Position 270 und 0° ausfüllen			
<b>Max. mögliche Zeichenzahl</b>		<b>Abmessungen</b>	
<b>Position</b>		<b>Typ</b>	<b>Frontschildgröße</b>
<b>Grad</b>	<b>T0/P1</b> <b>T5/P3</b> <b>TM-E</b> <b>TM-EZ</b>		
0, 180	13 13 5 5	T0, T3, P1	45 x 45 mm (für Rahmen 48 x 48)
30, 210, 330	8 8 8 7	P3, T5, T5B	84 x 84 mm (für Rahmen 88 x 88)
45, 135, 225, 315	6 7 6 5	TM-.../E	29 x 29 mm (für Rahmen 30 x 30)
60, 120, 240, 300	5 7 5 5	TM-.../EZ(-...)	29 x 29 mm (für Rahmen 30 x 30)
90, 270	4 7 5 4		
150	8 8 4 4		
<b>Werks-Nr.:</b> Factory No.: N° usine:			