P Switch-disconnectors and T Rotary cam switches



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- Product images
- Schematic symbols
- 2D DXF Images
- Weights, dimensions, cable size, torque settings, catalogue data, electrical parameters
- List of accessories
- 3D Intelligent step files:
  - Wiring connection points
  - Drill hole patterns
  - Mounting faces



Safe switching, isolating and control

The high-performance, robust and compact T Rotary Cam Switches and P Switch-disconnectors are used in machine building, industrial and engineering applications.
They provide ultimate safe disconnection and endurance with positive mechanical contact breaking and excellent making & breaking capabilities. Their IP65 degree of protection enables use in harsh environments, and with essential global approvals the T & P range is a perfect switching, isolating and control solution.

P & T switches are available in an extensive range of complete pre-built switch/handle and enclosure combinations ex-stock to suit the specific requirements of our customers. This saves valuable time in the customer's assembly process as well as reducing packaging waste and order administration.

T rotary cam switches are suitable for a wide range of industrial and machine control applications: change-over and step switches, star-delta and reversing switches, etc. Several thousand switching types are available as standard, and customised circuits can also be produced to meet specific customers' needs, contact buletechnical@eaton.com for further information.



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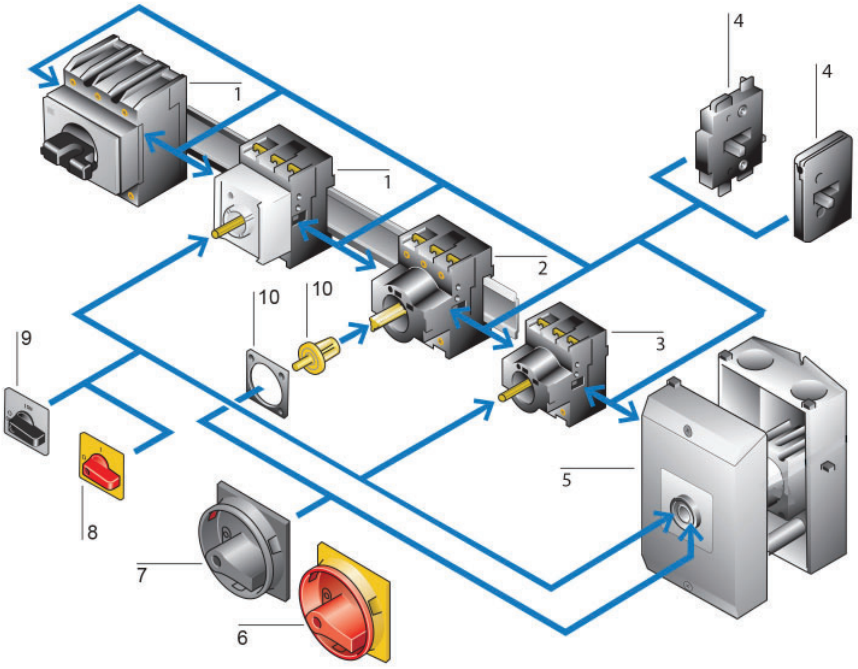
P Switch-disconnectors - Overview

Range overview by switch-disconnectors type and mounting forms

	P1			P3		P5			
Rated current (Amps)	**25**	**32**	**40**	**63**	**100**	**125**	**160**	**250**	**315**
Rated voltage (V a.c.)	**690**	**690**	**690**	**690**	**690**	**690**	**690**	**690**	**690**
Max motor rating AC-23A, 400/415 V, 50/60 Hz	**13 kW**	**15 kW**	**15 kW**	**37 kW**	**50 kW**	**45 kW**	**55 kW**	**90 kW**	**110 kW**
Switch-disconnectors type									
Main switches maintenance/manual override switches	✓	✓	✓	✓	✓	✓	✓	✓	✓
On-Off switches	✓	✓	✓	✓	✓	✓	✓	✓	✓
Safety switches with warning labels	✓	✓		✓	✓				
Switches with interlocks type									
With cylinder lock SVA	✓	✓							
With padlocking feature SVC	✓	✓							
On-Off switch without emergency stop function	✓	✓							
Mounting forms									
'E' Flush mounting	✓	✓	✓	✓	✓	✓	✓	✓	✓
'EA/SVB' Flush mounting main switch	✓	✓	✓	✓	✓				
'EZ' Centre mounting	✓	✓	✓						
'Z' Rear mounting	✓	✓	✓	✓	✓				
'V/SVB' Rear mounting main switches	✓	✓	✓	✓	✓	✓	✓	✓	✓
'M4/SVB' Rear mounting main switches with extension shaft	✓	✓	✓	✓	✓				
'IVS' Service distribution board mounting	✓	✓	✓	✓	✓				
'I' Surface mounting switch-disconnector fitted in Ci-K Enclosure	✓	✓	✓	✓	✓				
'MBS' Surface mounting switch-disconnector fitted in Ci-K Enclosure, with pre-assembled EMC screen	✓	✓	✓	✓					
'SE' Surface mounting fitted in steel enclosures	✓	✓	✓	✓	✓				

System overview

P1 and P3 Swtich-disconnectors

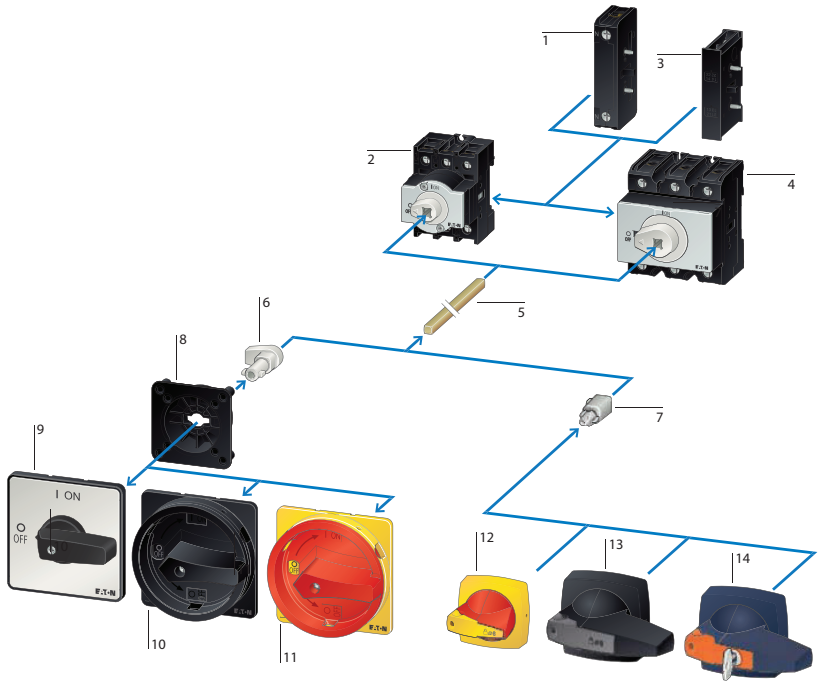


1. Service distribution board mounting
2. Rear mounting
3. Flush mounting
4. Neutral conductors, auxiliary contacts
5. Surface mounting
6. Main switch (kit) for use as emergency switching off device
7. Main switch (kit)
8. Thumb grip for use as emergency switching off device
9. Thumb grip
10. Coupling drive

P Switch-disconnectors - Overview

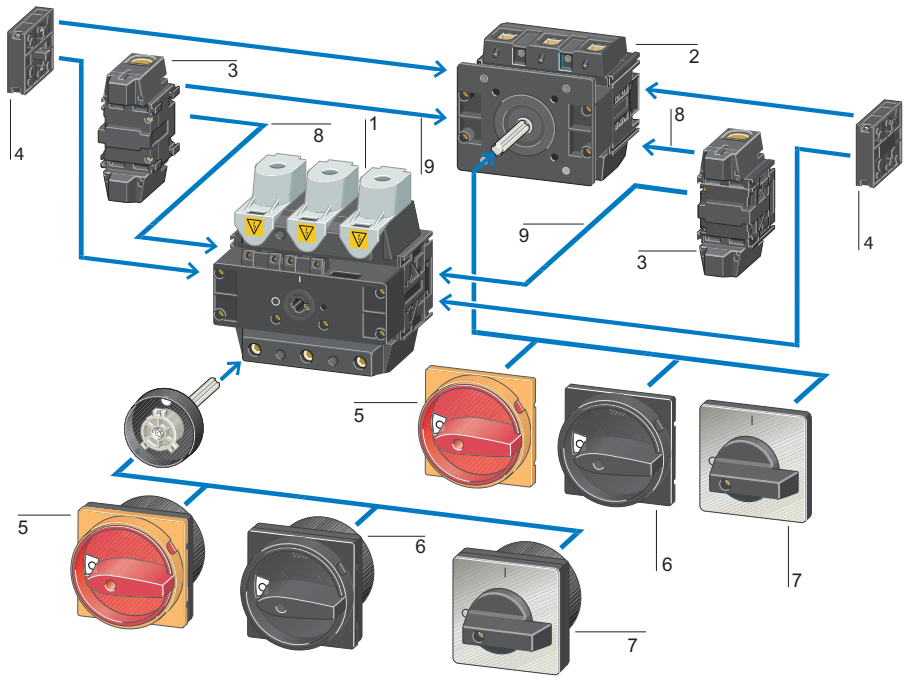
System overview

P1 and P3 Switch-disconnectors with metal shaft



1. Neutral conductor
2. P1 rear mounting switch
3. Auxiliary contact
4. P3 rear mounting switch
5. Metal shaft
6. Shaft adaptor
7. Shaft adaptor
8. Centring Adaptor
9. Thumb grip
10. Main switch (kit) black
11. Main switch kit for use as emergency switching off device (red)
12. Thumb grip kit for use as emergency switching off device (red)
13. K-Line padlock handles
14. K-Line cylinder lock handles

P5 Switch-disconnectors



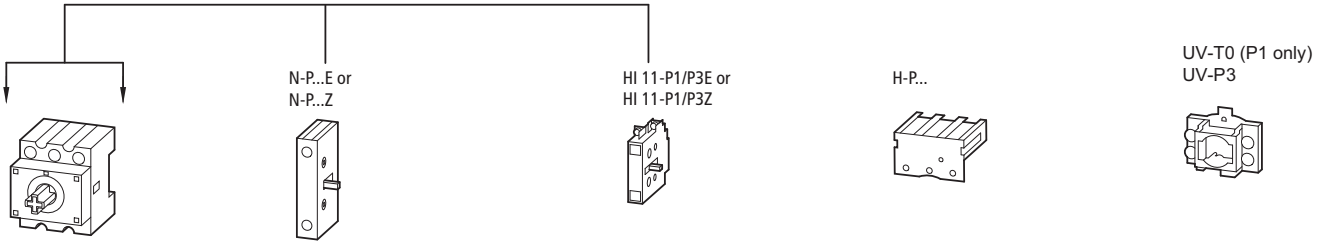
1. Rear mounting
2. Flush mounting
3. Neutral conductors
4. Auxiliary contacts
5. Main switch (kit) for use as emergency switching off device
6. Main switch (kit)
7. Thumb grip
8. Ground terminal
9. Neutral terminal

P Switch-disconnectors - Overview

P1 and P3 Key to part numbers

P	Switch size	-	Rated uninterrupted current	/	Mounting form	-	Part number suffix	/	Accessories
	P1 or P3	-		/		-		/	

P1 and P3 add-on function due to modular system



3-pole basic unit
.../E or .../Z

N-P...E or
N-P...Z

Switched neutral
Can be fitted left
or right
(for P1.../I: left only)

HI 11-P1/P3E or
HI 11-P1/P3Z

Auxiliary contact
Can be fitted left
or right
(for P1.../I: left only)

H-P...

Terminal shroud
can be fitted at
top or bottom

UV-T0 (P1 only)
UV-P3

N + PE terminals,
also as cover interlock
on .../Z-switches.

Catalogue number system

Flush mounting 'E' and 'EA'

P	-	Rated current (Amps)	/	Mounting form, switch type, handle type	/	Accesories
P1		**25** (P1 only)		**EA/SVB**: Flush mounting, main switch with red/yellow handle		
		32 (P1 only)		**EA/SVB-SW**: Flush mounting, main switch with black handle		
		40 (P1 only)		**E**: Flush mounting with black thumb grip and front plate		
P3		**63** (P3 only)		**E-RT**: Flush mounting with red thumb grip		
		100 (P3 only)				
P5		**125** (P5 only)				
		160 (P5 only)				
		250 (P5 only				
		315 (P5 only)				

Centre mounting 'EZ' P1 switch-disconnectors

P	-	Rated current (Amps)	/	Switch type, mounting form, handle type	/	Nb of poles
P1		**25** (P1 only)		**EZ**: Centre mounting, ON-OFF switch with black thumb grip and front plate		**N**: 3-pole + Neutral
		32 (P1 only)				
		40 (P1 only)				

Surface mounting 'I' P1 and P3 switch-disconnectors fitted in Ci-K Enclosures

P	-	Rated current (Amps)	/	Mounting form	Ci-K Enclosure size (H x W mm)	H	/	Type of switch, handle	/	Accesories
P1		**25** (P1 only)		**I** : Surface mounting in Ci-K Enclosure	**1** (131 x 80 mm)	**H**: Hard knockouts		**SVB**: Main switch with red/yellow handle		
		32 (P1 only)			**2**(181 x 100 mm)			**SVB-SW**: Main switch with black handle		
		40 (P1 only)			**3** (222 x 120 mm)			**MBS/SVB**: Main switch with red/yellow handle and pre-assembled EMC screen		
P3		**63** (P3 only)			**4** (240 x 160 mm)			**MBS/SVB-SW**: Main switch with black handle and pre-assembled EMC screen		
					5 (280 x 200 mm)			**SVA(S)**: Panic switch with SVA cylinder lock		
								SVC(S): Panic switch with SVC padlock		
								SVA(A): ON-OFF switch with SVA cylinder lock		
								S: ON-OFF switch with key operation lock mechanism ST-0		

P Switch-disconnectors - Overview

Catalogue number system

Surface mounting 'SE' P1 and P3 switch-disconnectors fitted in steel enclosure

P	-	Rated current (Amps)	/	Steel enclosure type	/	Switch type, handle type	/	Accesories
P1		**25** (P1 only)		**SE1** (P1 only)		**SVB**: Main switch with red/yellow handle		
		32 (P1 only)		**SE3 (**P3 only)		**SVB-SW**: Main switch with black handle		
		40 (P1 only)						
P3		**63** (P3 only)				(Blank) Switch with ON-OFF function		
		100 (P3 only)						

Service distribution board mounting 'IVS' P1, P3 and P5 switch-disconnectors

P	-	Rated current (Amps)	/	Mounting form, switch type, handle type
P1		**25** (P1 only)		**IVS**: ON-OFF Service distribution board mounting switch with black thumb grip and front plate
		32 (P1 only)		
		40 (P1 only)		**IVS-RT**: ON-OFF Service distribution board mounting switch with red thumb grip
P3		**63** (P3 only)		
		100 (P3 only)		

Rear mounting 'V/SVB', 'M4' and 'Z' P1, P3 and P5 switch-disconnectors

P	-	Rated current (Amps)	/	Mounting form, switch type, handle type	/	Accesories
P1		**25** (P1 only)		**V/SVB**: Rear mounting, main switch with red/yellow handle		
		32 (P1 only)		**V/SVB-SW**: Rear mounting, main switch with black handle		
		40 (P1 only)		**M4/SVB**:Rear mounting, main switch with 400 mm extension shaft with red/yellow handle		
P3		**63** (P3 only)				
		100 (P3 only)		**M4/SVB-SW**: Rear mounting, main switch with 400 mm extension shaft with blank handle		
P5		**125** (P5 only)				
		160 (P5 only)		**M4/K2-P..:** Main switch with 400 mm extension shaft with K Line K2 handle, padlockable		
		250 (P5 only)				
		315 (P5 only)		**Z** : ON-OFF switch with black thumb grip and front plate		
				Z/SVA(A) : ON-OFF switch with black thumb grip and front plate and SVA cylinder locks		

For any Switch-disconnectors that currently holds a North American (NA) approval, a NA style variant can be made available to order, please contact your local sales representative for more information.

T Rotary Cam switches - Overview

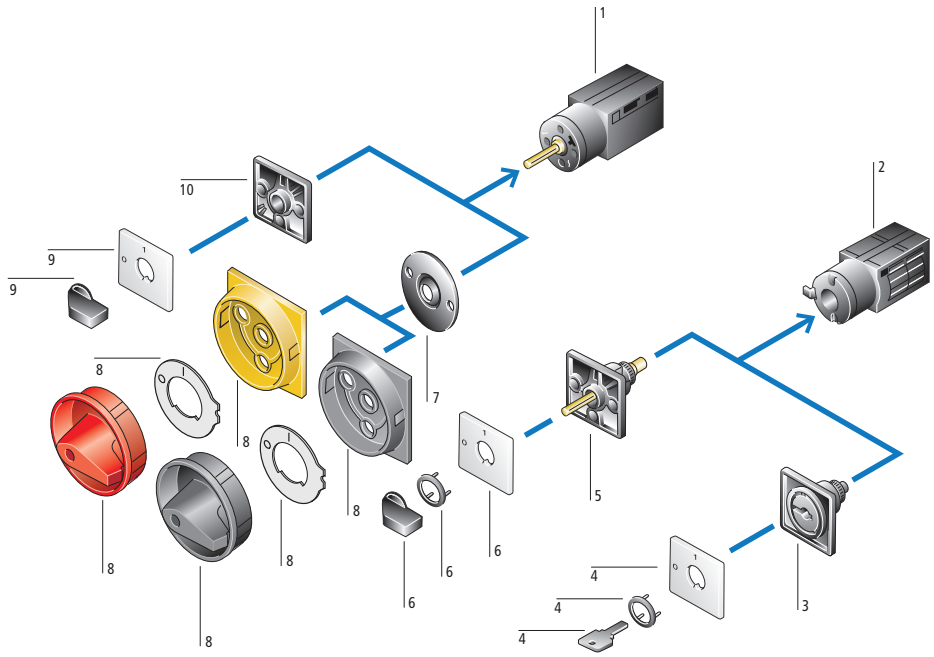
Range overview by switch-disconnectors type and mounting forms

	TM	T0	T3	T5B	T5	T6	T8
Rated current (Amps)	≤10	20	32	63	100	160	315
Rated voltage (V a.c.)	500 V	690 V	690 V	690 V	690 V	690 V	690 V
Max motor rating AC-23A 400/415 V 50/60 Hz	3.0 kW	6.5 kW	13 kW	22 kW	30 kW	55 kW	132 kW
Switch-disconnectors							
Main switches maintenance/manual override switches		✓	✓	✓	✓	✓	✓
On-Off switches	✓	✓	✓	✓	✓		
Changeover switches		✓	✓	✓	✓	✓	✓
Reversing switch with 0 position		✓	✓	✓			
Star-delta switches		✓	✓	✓			
Reversing star-delta switches		✓	✓	✓			
Multi-speed switch		✓	✓	✓			
Reversing multi-speed switches		✓	✓	✓			
Control switches							
Step switches	✓	✓	✓				
Control circuit isolators	✓						
On-Off switches		✓	✓				
Changeover switches	✓	✓	✓				
Manual/Auto switches	✓	✓	✓				
On switches		✓	✓				
Universal control switches		✓	✓				
Coding switches	✓	✓	✓				
Series switches		✓	✓				
Instrument selector switches		✓	✓				
Mini Cam Group switches	✓						
Mini Cam ON-OFF switches	✓						
Mini Cam Reversing switches	✓						
Switches with locking mechanism - Panic switch							
With cylinder lock SVA		✓					
With padlocking feature SVC		✓					
On-Off switch without emergency stop function		✓					
Mounting forms							
'E' Flush mounting	✓	✓	✓	✓	✓	✓	✓
'EA/SVB' Flush mounting main switch		✓	✓	✓	✓		
'EZ' Centre mounting	✓	✓	✓				
'I' Enclosed switch-disconnector fitted in Ci-K Enclosure		✓	✓	✓	✓	✓	✓
'IVS' Service distribution board mounting	✓	✓	✓	✓			
'MBS' Enclosed switch-disconnector fitted in Ci-K Enclosure, with pre-assembled EMC screen		✓					
'SE' Enclosed switch-disconnectors fitted in steel enclosures		✓	✓				
'V/SVB' Rear mounting main switches		✓	✓	✓	✓	✓	✓
'Z' Rear mounting		✓	✓	✓	✓		

T Rotary Cam switches - Overview

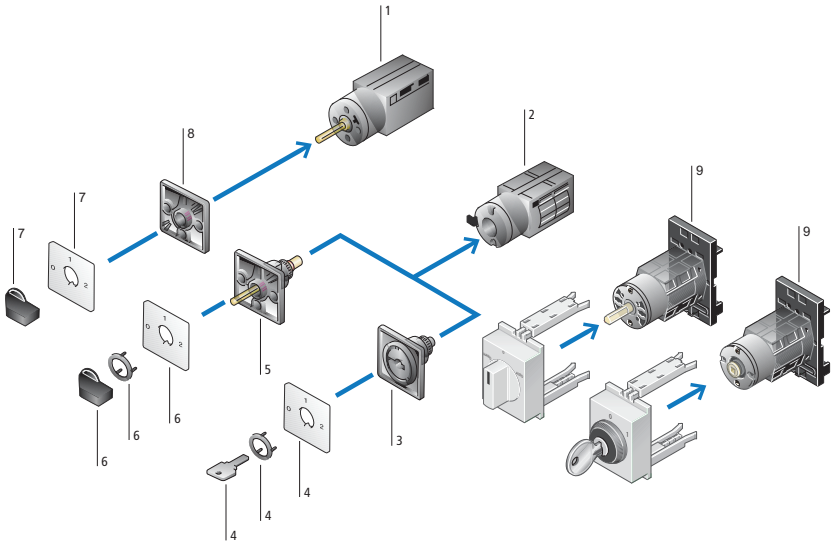
System overview

TM Switch-disconnectors



1. Flush mounting
2.Center mounting
3 and 4 . Key operation for center mounting
5 and 6. Standard switches for center mounting
7 and 8. Control circuit isolators
9 and 10. Standard switches for flush mounting

TM - Control switches

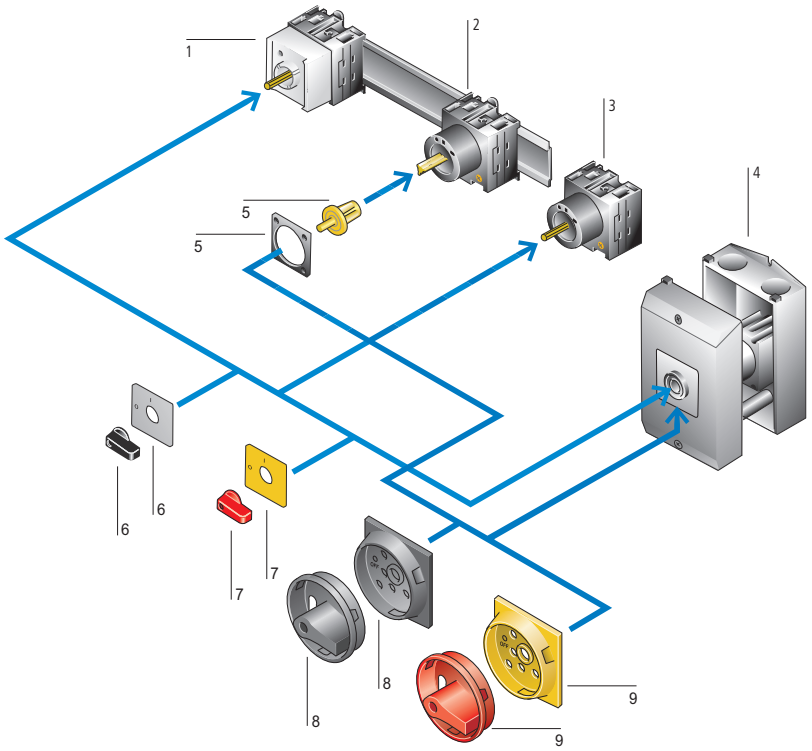


1. Flush mounting
2.Center mounting
3 and 4 . Key operation for center mounting
5 and 6. Standard switches for center mounting
7 and 8. Standard switches for flush mounting
9. Service distribution board mounting

T Rotary Cam switches - Overview

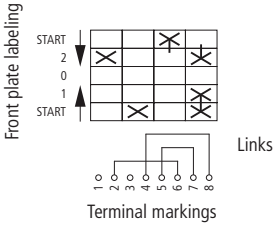
System overview

T0, T3, T5B, T5 Switch-disconnectors



1. Service distribution board mounting
2. Rear mounting
3. Flush mounting
4. Surface mounting
5. Coupling drive
6. Thumb grip
7. Thumb grip for use as emergency switching off device (not for Control switch)
8. Main switch kit (not for Control switch)
9. Main switch kit not for use as emergency switch-off (not for Control switch)

Circuit representation for all T versions



Switch from 0 to 1	Switch from 1 to START with automatic return to 1	Switch from 1 to 0
Contact 1 – 2 open, Contact 3 – 4 open, Contact 5 – 6 open, Contact 7 – 8 closed	Contact 1 – 2 open, Contact 3 – 4 closed, Contact 5 – 6 open, Contact 7 – 8 remains closed	Contact 1 – 2 open, Contact 3 – 4 open, Contact 5 – 6 open, Contact 7 – 8 open
Switch from 0 to 2	**Switch from 2 to START with automatic return to 2**	**Switch from 2 to 0**
Contact 1 – 2 closed, Contact 3 – 4 open, Contact 5 – 6 open, Contact 7 – 8 closed	Contact 1 – 2 open, Contact 3 – 4 open, Contact 5 – 6 closes with early make, Contact 7 – 8 opens with late break	Contact 1 – 2 open, Contact 3 – 4 open, Contact 5 – 6 open, Contact 7 – 8 open

T Rotary Cam switches - Overview

TM - Key to part numbers

The TM Mini cam switch is a particularly small switch for small space requirements. It is ideally suited for lower voltages and currents such as electronic controls. For greater safety the contacts are gold plated.
The TM switches have consecutive terminal markings starting with 1.

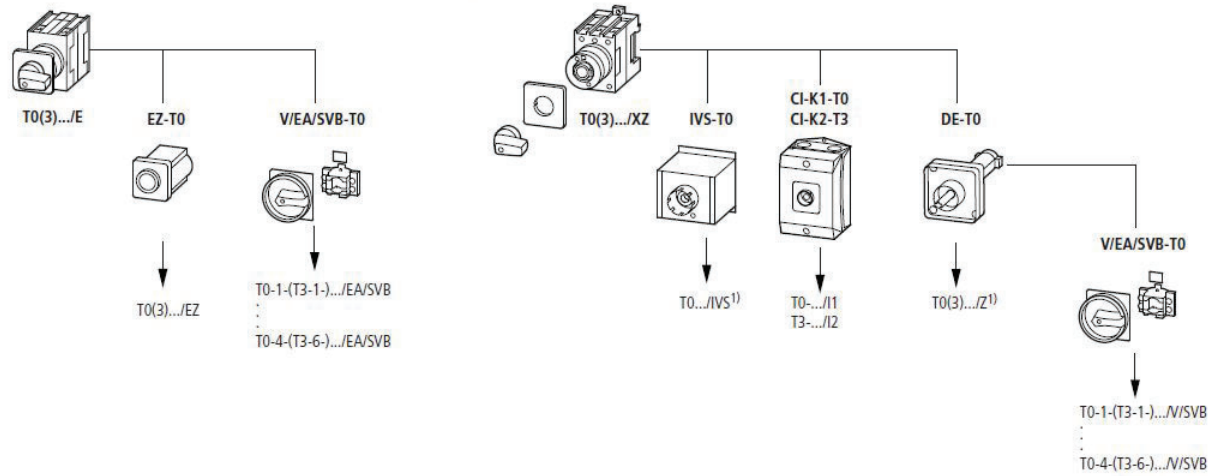
TM	-	Number of contact chambers	-	Contact sequence number	-	Mounting form	+	Accessories
TM	-	= contact units	-		-		+	

T0 and T3 Cam switches - Key to part numbers

Cam switches can be used for many switching and control applications. For example ON-OFF switches, main switches, main/control switches, instrument switches.
The switches consist of a hand actuator, the switch unit and the mounting accessories.
The contact chambers (contact unit = BE) contains 1 or 2 contacts.

T	Switch size	-	Number of contact chambers	-	Contact sequence number	/	Mounting form
	T0 or T3	-	= contact units	-		/	

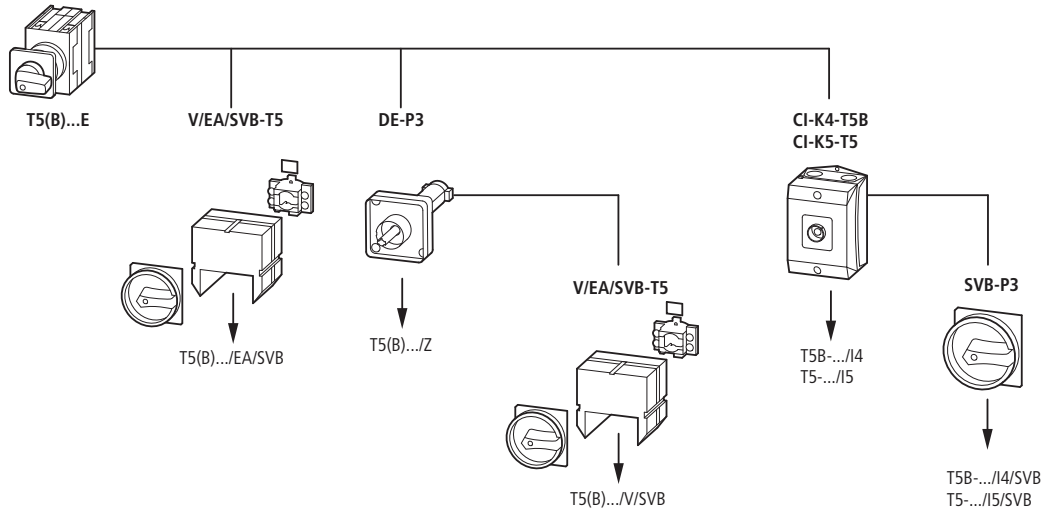
Using the modular system to convert the mounting form



T5(B) Cam switches - Key to part numbers

T	Switch size	-	Number of contact chambers	-	Contact sequence number	/	Mounting form
	T5(B)		= contact units	-		/	

Using the modular system to convert the mounting form T5(B)



T Rotary Cam switches - Overview

Catalogue number system

Flush mounting 'E' and 'EA'

T	Switch size	-	Number of contact units (contact chambers)	-	Contact sequence number	/	Mounting form, switch type, handle type	/	Accesories
T	**M** (10 A) **0** (20 A) **3** (32 A) **5B** (63 A) **5** (100 A) **6** (160 A) **8** (315 A)		TM: Maximum 8 chambers / 16 contacts T0/T3: maximum 11 chambers / 22 contacts T5/TB: maximum 10 chambers / 20 contacts				**EA/SVB**: Flush mounting, main switch with red/yellow handle **EA/SVB-SW**: Flush mounting, main switch with black handle **E**: Flush mounting with black thumb grip and front plate **E-RT**: Flush mounting, ON-OFF switch with red thumb grip		

Centre mounting 'EZ'

T	Switch size	-	Number of contact units (contact chambers)	-	Contact sequence number	/	Mounting form, switch type, handle type	/	Accesories
T	**M** (10 A) **0** (20 A) **3** (32 A)		TM: Maximum 8 chambers / 16 contacts T0/T3: maximum 11 chambers / 22 contacts				**EZ**: Centre mounting with black thumb grip and front plate		

Rear mounting 'V/SVB', 'M4' and 'Z' T switch-disconnectors

T	Switch size	-	Number of contact units (contact chambers)	/	Number of contact units (contact chambers)	/	Accesories
T	**0** (20 A) **3** (32 A) **5B** (63 A) **5** (100 A) **6** (160 A) **8** (315 A)				**V/SVB**: Rear mounting, main switch with red/yellow handle **V/SVB-SW**: Rear mounting, main switch with black handle **Z** : ON-OFF switch with black thumb grip and front plate **Z/SVA(A)** : ON-OFF switch with black thumb grip and front plate and SVA cylinder locks		

Service distribution board mounting 'IVS' T0 switch-disconnectors

T	Switch size	/	Number of contact units (contact chambers)	/	Mounting form, switch type, handle type	/	Accesories
T	**0** (20 A)		T0/T3: maximum 11 chambers / 22 contacts		**IVS**: ON-OFF Service distribution board mounting switch with black thumb grip and front plate **IVS-RT**: ON-OFF Service distribution board mounting switch with red thumb grip		

T Rotary Cam switches - Overview

Catalogue number system

Enclosed 'I' switch-disconnectors fitted in Ci-K Enclosures

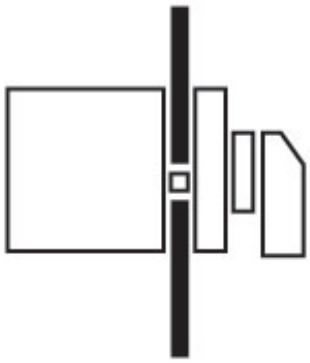
T	Switch size	-	Number of contact units (contact chambers)	/	Mounting form	Ci-K Enclosure size (H x W mm)	/	Type of switch, handle	/	Accesories
T	**0** (20 A) **3** (32 A) **5B** (63 A) **5** (100 A) **6** (160 A) **8** (315 A)		T0/T3: max 11 chambers / 22 contacts T5/TB: max 10 chambers / 20 contacts		**I** : Surface mounting in Ci-K Enclosure	**1** (131 x 80 mm) **2** (181 x 100 mm) **3** (222 x 120 mm) **4** (240 x 160 mm) **5** (280 x 200 mm)		**SVB**: Main switch with red/yellow handle **SVB-SW**: Main switch with black handle **MBS/SVB**: Main switch with red/yellow handle and pre-assembled EMC screen **MBS/SVB-SW**: Main switch with black handle and pre-assembled EMC screen **SVA(S)**: Panic switch with SVA cylinder lock **SVA(A)**: ON-OFF switch with SVA cylinder lock **SVC(S)**: Panic switch with SVC padlock **SI**: Safety switch		

Enclosed 'SE' T0 and T3 switch-disconnectors fitted in steel enclosure

T	Switch size	-	Number of contact units (contact chambers)	-	Steel enclosure size	/	Type of switch, handle
T	**0** (20 A) **3** (32 A		T0/T3: max11 chambers / 22 contacts		**SE1** **SE3**		**SVB**: Main switch with red/yellow handle **SVB-SW**: Main switch with black handle (Blank) Switch with ON-OFF function

For any Switch-disconnectors that currently holds a North American (NA) approval, a NA style variant can be made available to order, please contact your local sales representative for more information.

Flush mounting switch-disconnectors



Description

Flush mounting switch-disconnectors can be easily installed, using two-hole screw mounting, directly onto doors, panels, lids, enclosures in machinery, switchboard and switchgear.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 10 A to 315 A
- Front IP65

Options

- With or without emergency switching off/emergency stop function
- With and without auxiliary contacts
- With red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole



P3 Flush mounting



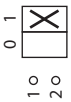
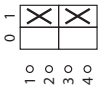
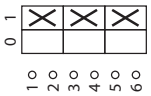
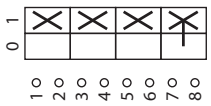
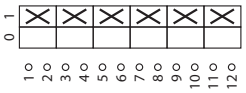
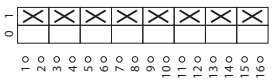
T0 Flush mounting

Flush mounting - Range overview

Rated current	10 A	20 A	25 A	32 A		40 A	63 A		100 A		125 A	160 A		250 A	275 A	315 A
On-Off switch-disconnectors	TM	T0	P1	P1	T3	P1	P3	T5B	P3	T5	P5	P5		P5		P5
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
With auxiliary contacts		✓			✓			✓		✓						
Main switch-disconnectors		T0	P1	P1	T3	P1	P3	T5B	P3	T5	P5	P5		P5		P5
Without auxiliary contacts		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
With auxiliary contacts		✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
Changeover swtich-disconnectors	TM	T0			T3			T5B		T5			T6		T8	
Without auxiliary contacts	✓	✓			✓			✓		✓			✓		✓	
Coding switch-disconnectors	TM	T0														
Without auxiliary contacts	✓	✓														
Manual/auto switch-disconnectors	TM	T0														
Without auxiliary contacts	✓	✓														
Multi speed switch-disconnectors		T0			T3			T5B								
Without auxiliary contacts		✓			✓			✓								
Reversing switch-disconnectors	TM	T0			T3			T5B								
Without auxiliary contacts	✓	✓			✓			✓								
Selector switch-disconnectors		T0														
Without auxiliary contacts		✓														
Star-delta switch-disconnectors		T0			T3			T5B								
Without auxiliary contacts		✓			✓			✓								
Step switch-disconnectors	TM	T0														
Without auxiliary contacts	✓	✓														
Step switch-disconnectors for heating		T0														
Without auxiliary contacts		✓														
Universal switch-disconnectors		T0														
Without auxiliary contacts		✓														

Flush mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
On-Off switches 90°								
 F 056		1	10 A	TM-1-8290/E	070131	1	✓	X
		2	10 A	TM-1-8291/E	072504	1	✓	X
		3	10 A	TM-2-8292/E	074877	1	✓	X
		3+N	10 A	TM-2-8293/E	077250	1	✓	X
		6	10 A	TM-3-8256/E	079623	1	✓	X
Without auxiliary contacts								
 FS 908		1	20 A	T0-1-8200/E	067352	1	✓	X
			32 A	T3-1-8200/E	064208	1	✓	X
			63 A	T5B-1-8200/E	094281	1	✓	X
		2	20 A	T0-1-102/E	088709	1	✓	X
			32 A	T3-1-102/E	076073	1	✓	X
			63 A	T5B-1-102/E	094471	1	✓	X
		3	20 A	T0-2-1/E	024639	1	✓	X
			25 A	P1-25/E	038724	1	✓	X
			32 A	P1-32/E	079065	1	✓	X
			40 A	P1-40/E	199889	1	X	X
			63 A	P3-63/E	026861	1	✓	X
			100 A	P3-100/E	067201	1	✓	X
			125 A	P5-125/E	280897	1	✓	X
			160 A	P5-160/E	280921	1	✓	X
			250 A	P5-250/E	280935	1	✓	X
			315 A	P5-315/E	280949	1	✓	X
		3 + N	20 A	T0-2-8900/E	207398	1	✓	X
			25 A	P1-25/E/N	076845	1	✓	X
			32 A	P1-32/E/N	093456	1	✓	X
			40 A	P1-40/E/N	199891	1	X	X
			63 A	P3-63/E/N	019894	1	✓	X
			100 A	P3-100/E/N	031759	1	✓	X
		6	20 A	T0-3-8342/E	043624	1	✓	X
			32 A	T3-3-8342/E	045225	1	✓	X
			63 A	T5B-3-8342/E	092310	1	✓	X
		8	20 A	T0-4-8344/E	014000	1	✓	X
			32 A	T3-4-8344/E	020593	1	✓	X
			63 A	T5B-3-8344/E	092064	1	✓	X

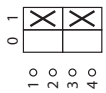
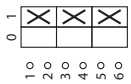
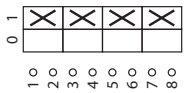
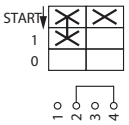


067352

Photo is representative

Flush mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
On-Off switches 30°								
 FS 415		1	20 A	T0-1-15401/E	038854	1	✓	X
		2	20 A	T0-1-15402/E	053092	1	✓	X
		3	20 A	T0-2-15403/E	067330	1	✓	X
		4	20 A	T0-2-15404/E	081568	1	✓	X
TM Switch-disconnector 90°/30° with Automatic (spring) return to 1								
 F 119		1	10 A	TM-1-8178/E	098608	1	✓	X



053092

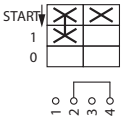
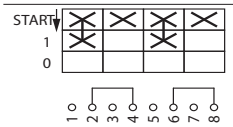
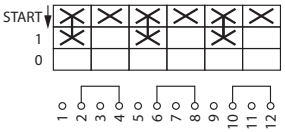
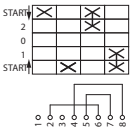


098608

Photos are representative

Flush mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

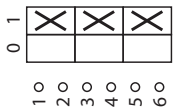
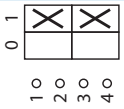
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return in START position								
		1	20 A	T0-1-15511/E	019875	1	✓	X
		2	20 A	T0-2-15512/E	034113	1	✓	X
		3	20 A	T0-3-15513/E	048351	1	✓	X
 FS 140660		2	20 A	T0-2-8177/E	015130	1	✓	X





019875

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Pole N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With locking mechanism - Key can only be withdrawn in position 0 (Pos A)								
 FS 908		3	20 A	T0-2-1/E/SVA(A)	050976	1	✓	✓
		3	25 A	P1-25/E/SVA(A)	050965	1	✓	✓
		3	32 A	P1-32/E/SVA(A)	050970	1	✓	✓
WIth locking mechanism Key operation lock mechanism ST-0 Key can only be withdrawn in position 0 (Pos A)								
 FS 908		2	20 A	T0-1-102/EZ/S	014933	1	✓	X





050976

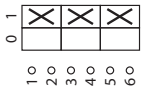


014933

Photos are representative

Flush mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

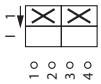
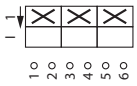
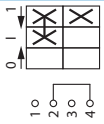
Front plate	Contact sequence	Pole N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Panic switch-disconnector fitted with a SVA Cylinder lock Supplied with two keys If the key is withdrawn in position 1 the switch can be switched off but not on again without the key								
 FS 908		3	20 A	T0-2-1/E/SVA(S)	050977	1	✓	✓
		3	25 A	P1-25/E/SA(S)	050966	1	✓	✓
		3	32 A	P1-32/E/SA(S)	044977	1	✓	✓





050966

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Number of poles	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Automatic (spring) return from position 1									
 FS 4721		1	20 A	1	T0-1-15321/E	086317	1	✓	X
		2	20 A	2	T0-1-15322/E	010382	1	✓	X
		3	20 A	3	T0-2-15323/E	024620	1	✓	X
Automatic (spring) return in position 0 and 1									
 FS 456		1	20 A		T0-1-15366/E	081572	1	✓	X



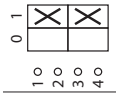
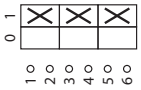
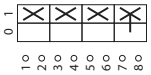
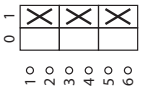
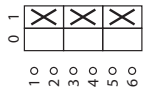


024620

Photos are representative

Flush mounting - On-Off switch-disconnectors without auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/E-RT	009474	1	✓	X
			32 A	T3-1-8200/E-RT	017025	1	✓	X
			63 A	T5B-1-8200/E-RT	094280	1	✓	X
			100 A	T5-1-8200/E-RT	097225	1	X	X
		2	20 A	T0-1-102/E-RT	009046	1	✓	X
			32 A	T3-1-102/E-RT	016318	1	✓	X
			63 A	T5B-1-102/E-RT	094470	1	✓	X
		3	20 A	T0-2-1/E-RT	011082	1	✓	X
			25 A	P1-25/E-RT	002388	1	✓	X
			32 A	P1-32/E-RT	003197	1	✓	X
			40 A	P1-40/E-RT	199902	1	X	X
			63 A	P3-63/E-RT	005743	1	✓	X
			100 A	P3-100/E-RT	007189	1	✓	X
		3 + N	20 A	T0-2-8900/E-RT	207399	1	✓	X
Panic switch-disconnector fitted with a SVA Cylinder lock Supplied with two keys								
 FS 908 GE		3	20 A	T0-2-1/E/SVA(S)-RT	228291	1	✓	✓
		3	25 A	P1-25/E/SVA(S)-RT	050967	1	✓	✓
		3	32 A	P1-32/E/SVA(S)-RT	050971	1	✓	✓
Panic switch-disconnectors fitted with SVC Padlocking feature Supplied with two keys If the locking device is padlocked in position 1 the switch can be switched off but not on again without removing the padlock. Lockable with max 3 padlocks								
 FS 908 GE		3	20 A	T0-2-1/E/SVC(S)-RT	044973	1	✓	✓
		3	25 A	P1-25/E/SVC(S)-RT	044974	1	✓	✓
		3	32 A	P1-32/E/SVC(S)-RT	044975	1	✓	✓


207399

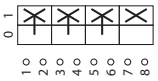
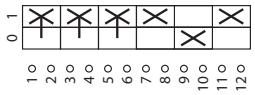
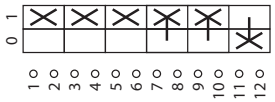
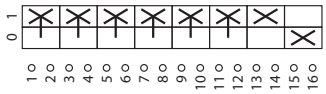

050967


044975

Photos are representative

Flush mounting - On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without emergency switch off/emergency stop function										
 FS 908		3	1	0	20 A	T0-2-15679/E	029387	1	✓	X
		3	2	1	20 A	T0-2-15683/E	016619	1	✓	X
					32 A	T3-2-15683/E	014377	1	✓	X
		3 + N	1	1	20 A	T0-2-8901/E	231938	1	✓	X
					32 A	T3-2-8901/E	213949	1	✓	X
		6	1	1	20 A	T0-4-15682/E	010405	1	✓	X
					32 A	T3-4-15682/E	023869	1	✓	X
					63 A	T5B-4-15682/E	207424	1	✓	X
					100 A	T5-4-15682/E	207412	1	✓	X

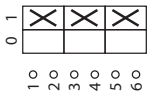
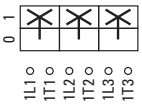
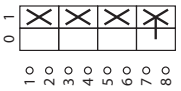
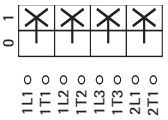
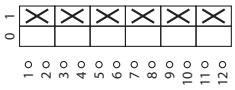
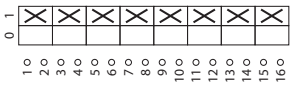


207412

Photo is representative

Flush mounting - Main switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0 I	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/EA/SVB-SW	055483	1	✓	✓
			32 A	T3-1-8200/EA/SVB-SW	068949	1	✓	✓
			63 A	T5B-1-8200/EA/SVB-SW	094278	1	✓	✓
		2	20 A	T0-1-102/EA/SVB-SW	093451	1	✓	✓
			32 A	T3-1-102/EA/SVB-SW	016747	1	✓	✓
			63 A	T5B-1-102/EA/SVB-SW	094468	1	✓	✓
			100 A	T5-1-102/EA/SVB-SW	098807	1	X	✓
		3	20 A	T0-2-1/EA/SVB-SW	041246	1	✓	✓
			25 A	P1-25/EA/SVB-SW	048365	1	✓	✓
			30 A	P3-30/EA/SVB-SW-MCS	237893	1	✓	✓
			32 A	P1-32/EA/SVB-SW	053111	1	✓	✓
			40 A	P1-40/EA/SVB-SW	199898	1	X	✓
			63 A	P3-63/EA/SVB-SW	057857	1	✓	✓
			100 A	P3-100/EA/SVB-SW	062603	1	✓	✓
		3	125 A	P5-125/EA/SVB-SW	280911	1	✓	✓
			160 A	P5-160/EA/SVB-SW	280925	1	✓	✓
			250 A	P5-250/EA/SVB-SW	280939	1	✓	✓
			315 A	P5-315/EA/SVB-SW	280953	1	✓	✓
		3 + N	20 A	T0-2-8900/EA/SVB-SW	207401	1	✓	✓
			25 A	P1-25/EA/SVB-SW/N	083960	1	✓	✓
			32 A	P1-32/EA/SVB-SW/N	093452	1	✓	✓
			40 A	P1-40/EA/SVB-SW/N	199900	1	X	✓
			63 A	P3-63/EA/SVB-SW/N	012771	1	✓	✓
			100 A	P3-100/EA/SVB-SW/N	022263	1	✓	✓
		3 + N	125 A	P5-125/EA/SVB-SW/N	280913	1	✓	✓
			160 A	P5-160/EA/SVB-SW/N	280927	1	✓	✓
			250 A	P5-250/EA/SVB-SW/N	280941	1	✓	✓
			315 A	P5-315/EA/SVB-SW/N	280955	1	✓	✓
		6	20 A	T0-3-8342/EA/SVB-SW	031755	1	✓	✓
			32 A	T3-3-8342/EA/SVB-SW	073699	1	✓	✓
			63 A	T5B-3-8342/EA/SVB-SW	092307	1	✓	✓
			100 A	T5-3-8342/EA/SVB-SW	096382	1	X	✓
		8	20 A	T0-4-8344/EA/SVB-SW	008268	1	✓	✓
			32 A	T3-4-8344/EA/SVB-SW	008965	1	✓	✓
			63 A	T5B-4-8344/EA/SVB-SW	092061	1	✓	✓
			100 A	T5-4-8344/EA/SVB-SW	095960	1	X	✓

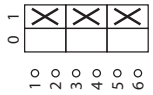
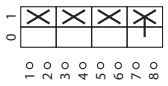
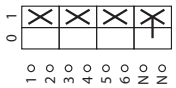
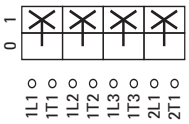
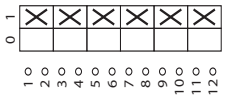
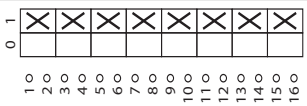


053111

Photo is representative

Flush mounting - Main switch-disconnectors without auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/EA/SVB	053110	✓	✓
			32 A	T3-1-8200/EA/SVB	066576	✓	✓
			63 A	T5B-1-8200/EA/SVB	094279	✓	✓
		2	20 A	T0-1-102/EA/SVB	091078	✓	✓
			32 A	T3-1-102/EA/SVB	014374	✓	✓
			63 A	T5B-1-102/EA/SVB	094469	✓	✓
			100 A	T5-1-102/EA/SVB	098808	X	✓
		3	20 A	T0-2-1/EA/SVB	038873	✓	✓
			25 A	P1-25/EA/SVB	041097	✓	✓
			30 A	P3-30/EA/SVB-MCS	237892	✓	✓
			32 A	P1-32/EA/SVB	081438	✓	✓
			40 A	P1-40/EA/SVB	199894	X	✓
			63 A	P3-63/EA/SVB	031607	✓	✓
			100 A	P3-100/EA/SVB	074320	✓	✓
			125 A	P5-125/EA/SVB	280898	✓	✓
			160 A	P5-160/EA/SVB	280922	✓	✓
			250 A	P5-250/EA/SVB	280936	✓	✓
			315 A	P5-315/EA/SVB	280950	✓	✓
		3 + N	20 A	T0-2-8900/EA/SVB	207400	✓	✓
		3 + N	25 A	P1-25/EA/SVB/N	081587	✓	✓
			32 A	P1-32/EA/SVB/N	091079	✓	✓
			40 A	P1-40/EA/SVB/N	199896	X	✓
			63 A	P3-63/EA/SVB/N	010398	✓	✓
			100 A	P3-100/EA/SVB/N	019890	✓	✓
		3 + N	125 A	P5-125/EA/SVB/N	280910	✓	
			160 A	P5-160/EA/SVB/N	280924	✓	✓
			250 A	P5-250/EA/SVB/N	280938	✓	✓
			315 A	P5-315/EA/SVB/N	280952	✓	✓
		6	20 A	T0-3-8342/EA/SVB	029382	✓	✓
			32 A	T3-3-8342/EA/SVB	071326	✓	✓
			63 A	T5B-3-8342/EA/SVB	092308	✓	✓
			100 A	T5-3-8342/EA/SVB	096383	X	✓
		8	20 A	T0-4-8344/EA/SVB	008267	✓	✓
			32 A	T3-4-8344/EA/SVB	008964	✓	✓
			63 A	T5B-4-8344/EA/SVB	092062	✓	✓
			100 A	T5-4-8344/EA/SVB	095961	X	✓

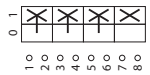
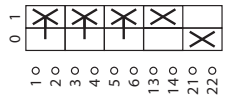
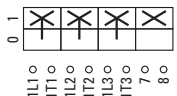
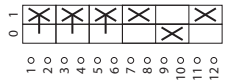
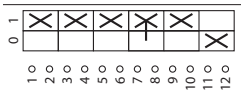
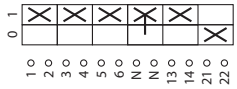
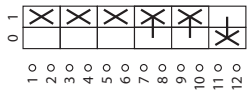
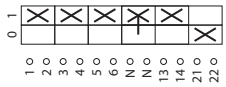
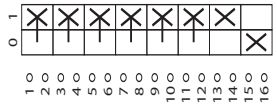


041097

Photo is representative

Flush mounting - Main switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/EA/SVB-SW	083961	1	✓	✓
		3	1	1	25 A	P1-25/EA/SVB-SW/HI11	070194	1	✓	✓
					32 A	P1-32/EA/SVB-SW/HI11	012772	1	✓	✓
					40 A	P1-40/EA/SVB-SW/HI11	199899	1	X	✓
					63 A	P3-63/EA/SVB-SW/HI11	022264	1	✓	✓
					100 A	P3-100/EA/SVB-SW/HI11	031756	1	✓	✓
		3	1	0	125 A	P5-125/EA/SVB-SW/HI10	280912	1	✓	✓
					160 A	P5-160/EA/SVB-SW/HI10	280926	1	✓	✓
					250 A	P5-250/EA/SVB-SW/HI10	280940	1	✓	✓
					315 A	P5-315/EA/SVB-SW/HI10	280954	1	✓	✓
		3	2	1	20 A	T0-3-15683/EA/SVB-SW	015600	1	✓	✓
					32 A	T3-3-15683/EA/SVB-SW	042851	1	✓	✓
		3 + N	1	1	20 A	T0-3-15680/EA/SVB-SW	041248	1	✓	✓
					32 A	P1-25/EA/SVB-SW/N/HI11	050740	1	✓	✓
					32 A	T3-3-15680/EA/SVB-SW	231946	1	✓	✓
		3 + N	1	1	32 A	P1-32/EA/SVB-SW/N/HI11	060232	1	✓	✓
					40 A	P1-40/EA/SVB-SW/N/HI11	199901	1	X	✓
		3 + N	1	1	20 A	T0-3-8901/EA/SVB-SW	231933	1	✓	✓
					32 A	T3-3-15680/EA/SVB-SW	014375	1	✓	✓
					63 A	T5B-3-8901/EA/SVB-SW	207421	1	✓	✓
					100 A	T5-3-8901/EA/SVB-SW	207409	1	X	✓
		3 + N	1	1	63 A	P3-63/EA/SVB-SW/N/HI11	069724	1	✓	✓
					100 A	P3-100/EA/SVB-SW/N/HI11	079216	1	✓	✓
		6	1	1	20 A	T0-4-15682/EA/SVB-SW	022265	1	✓	✓
					32 A	T3-4-15682/EA/SVB-SW	057089	1	✓	✓
					63 A	T5B-4-15682/EA/SVB-SW	207426	1	✓	✓
					100 A	T5-4-15682/EA/SVB-SW	207414	1	X	✓

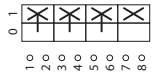
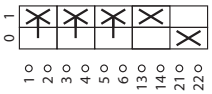
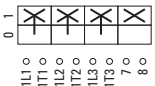
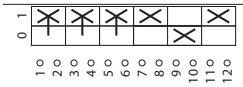
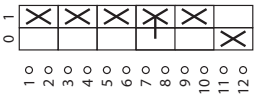
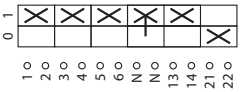
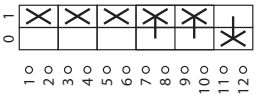
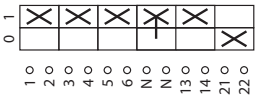
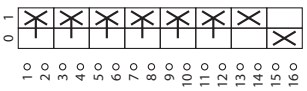


231946

Photo is representative

Flush mounting - Main switch-disconnectors with auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/EA/SVB	081588	✓	✓
		3	1	1	25 A	P1-25/EA/SVB/HI11	091080	✓	✓
					32 A	P1-32/EA/SVB/HI11	072567	✓	✓
					40 A	P1-40/EA/SVB/HI11	199895	X	✓
					63 A	P3-63/EA/SVB/HI11	019891	✓	✓
					100 A	P3-100/EA/SVB/HI11	029383	✓	✓
		3	1	0	125 A	P5-125/EA/SVB/HI10	280899	✓	✓
					160 A	P5-160/EA/SVB/HI10	280923	✓	✓
					250 A	P5-250/EA/SVB/HI10	280937	✓	✓
					315 A	P5-315/EA/SVB/HI10	280951	✓	✓
		3	2	1	20 A	T0-3-15683/EA/SVB	015571	✓	✓
					32 A	T3-3-15683/EA/SVB	040478	✓	✓
		3 + N	1	1	20 A	T0-3-15680/EA/SVB	038875	✓	✓
					32 A	P1-25/EA/SVB/N/HI11	048367	✓	✓
					32 A	T3-3-15680/EA/SVB	012002	✓	✓
		3 + N	1	1	32 A	P1-32/EA/SVB/N/HI11	057859	✓	✓
					40 A	P1-40/EA/SVB/N/HI11	199897	X	✓
		3 + N	1	1	20 A	T0-3-8901/EA/SVB	231932	✓	✓
					32 A	T3-3-8901/EA/SVB	231945	✓	✓
					63 A	T5B-3-8901/EA/SVB	207420	✓	✓
					100 A	T5-3-8901/EA/SVB	207408	X	✓
		3 + N	1	1	63 A	P3-63/EA/SVB/N/HI11	067351	✓	✓
					100 A	P3-100/EA/SVB/N/HI11	076843	✓	✓
		6	1	1	20 A	T0-4-15682/EA/SVB	019892	✓	✓
					32 A	T3-4-15682/EA/SVB	054716	✓	✓
					63 A	T5B-4-15682/EA/SVB	207425	✓	✓
					100 A	T5-4-15682/EA/SVB	207413	✓	✓

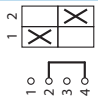
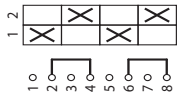
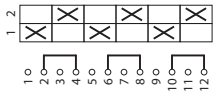
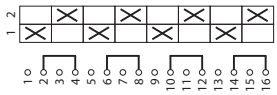
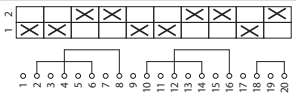
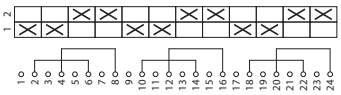
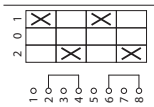
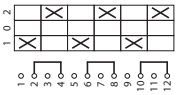
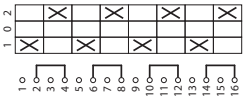
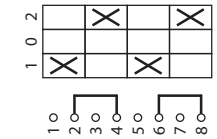
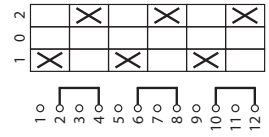


019891

Photo is representative

Flush mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockabe handle
Without 0 (Off) position 60°								
 F 072		1	10 A	TM-1-8220/E	081996	1	✓	X
		2	10 A	TM-2-8221/E	084369	1	✓	X
		3	10 A	TM-3-8222/E	086742	1	✓	X
		4	10 A	TM-4-8223/E	089115	1	✓	X
		5	10 A	TM-5-8369/E	091488	1	✓	X
		6	10 A	TM-6-8370/E	093861	1	✓	X
With 0 (Off) position 60°								
 F 071		1	10 A	TM-1-8210/E	096234	1	✓	X
		2	10 A	TM-2-8211/E	098607	1	✓	X
		3	10 A	TM-3-8212/E	010807	1	✓	X
		4	10 A	TM-4-8213/E	013180	1	✓	X
With 0 (Off) position 90°								
 F 057		2	10 A	TM-2-8219/E	017926	1	✓	X
 F 071		3	10 A	TM-3-8299/E	020299	1	✓	X

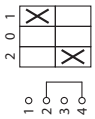
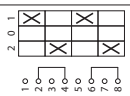
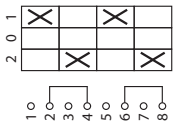
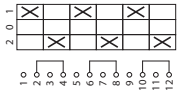
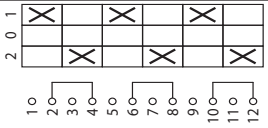
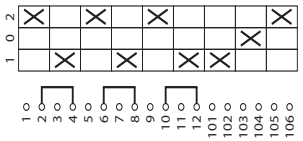
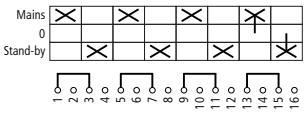
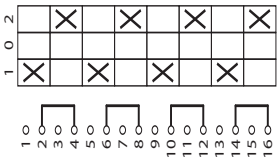
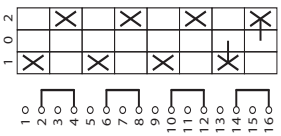


017926

Photo is representative

Flush mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 429		1	20 A	T0-1-15421/E	095806	1	✓	✓
 FS 684		1	20 A	T0-1-8210/E	012742	1	✓	✓
			32 A	T3-1-8210/E	054718	1	✓	✓
			63A	T5B-1-8210/E	094261	1	✓	✓
 FS 429		2	20 A	T0-2-15422/E	019871	1	✓	✓
 FS 4011		2	20 A	T0-2-8211/E	022234	1	✓	✓
			32 A	T3-2-8211/E	061837	1	✓	✓
			63 A	T5B-2-8211/E	093094	1	✓	✓
 FS 429		3	20 A	T0-3-15423/E	034109	1	✓	✓
 FS 684		3	20 A	T0-3-8212/E	029353	1	✓	✓
			32 A	T3-3-8212/E	068956	1	✓	✓
			63 A	T5B-3-8212/E	092386	1	✓	✓
			100 A	T5-3-8212/E	096466	1	X	✓
 FS 684		3	160 A	T6-3-8212/E/HI12	214781	1	X	✓
			315 A	T8-3-8212/E/HI12	214782	1	X	✓
 FS 161629		4	32 A	T3-4-8902/E	215222	1	✓	✓
			63 A	T5B-4-8902/E	207430	1	✓	✓
			100 A	T5-4-8902/E	207418	1	✓	✓
 FS 684		4	20 A	T0-4-8213/E	031726	1	✓	✓
			32 A	T3-4-8213/E	076075	1	✓	✓
			63 A	T5B-4-8213/E	092112	1	✓	✓
			100 A	T5-4-8213/E	096014	1	✓	✓
 FS 953		4	20 A	T0-4-8294/E	010371	1	✓	✓
			32 A	T3-4-8294/E	002513	1	✓	✓
			63 A	T5B-4-8294/E	092084	1	✓	✓
			100 A	T5-4-8294/E	095986	1	X	✓



029353

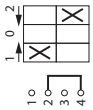
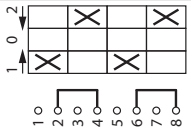
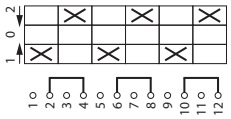
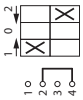
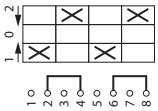


019871

Photos are representative

Flush mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return to 0 (OFF) position from both directions, without emergency off/emergency stop function								
 FS 4011		1	20 A	T0-1-8214/E	019863	1	✓	X
			32 A	T3-1-8214/E	009632	1	✓	X
		2	20 A	T0-2-8215/E	022236	1	✓	X
			32 A	T3-2-8215/E	016751	1	✓	X
		3	20 A	T0-3-8216/E	024609	1	✓	X
			32 A	T3-3-8216/E	023870	1	✓	X
Mini Cam switch-disconnector with Automatic (spring) return from both directions 30°								
 F 025		1	10 A	TM-1-8214/E	032164	1	✓	X
		2	10 A	TM-2-8215/E	034537	1	✓	X



022236

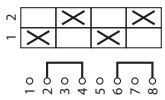
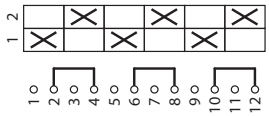
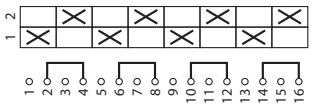
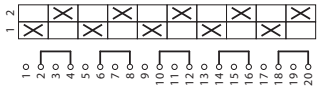
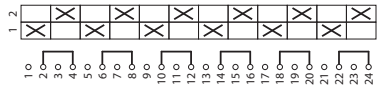
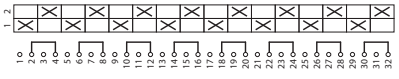


032164

Photos are representative

Flush mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Two way switch-disconnector wihout 0 (OFF) position								
 FS 943		1	20 A	T0-1-8220/E	031728	1	✓	X
		2	20 A	T0-2-8221/E	038847	1	✓	X
			32 A	T3-2-8221/E	045227	1	✓	X
			63 A	T5B-2-8221/E	093047	1	✓	X
		3	20 A	T0-3-8222/E	048339	1	✓	X
			32 A	T3-3-8222/E	052346	1	✓	X
			63 A	T5B-3-8222/E	092378	1	✓	X
		4	20 A	T0-4-8223/E	050712	1	✓	X
			32 A	T3-4-8223/E	059465	1	✓	X
			63 A	T5B-4-8223/E	092108	1	✓	X
		5	20 A	T0-5-8369/E	060204	1	✓	X
			32 A	T3-5-8369/E	066584	1	✓	X
		6	20 A	T0-6-8370/E	062577	1	✓	X
			32 A	T3-6-8370/E	073703	1	✓	X
		8	20 A	T0-8-8372/E	064950	1	✓	X
			32 A	T3-8-8372/E	080822	1	✓	X

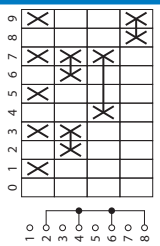
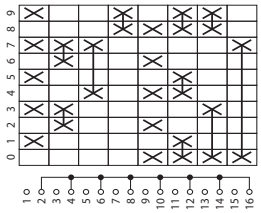
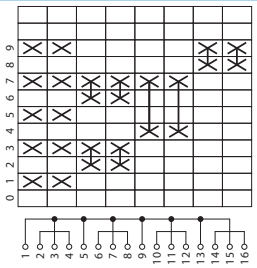


060204

Photo is representative

Flush mounting - Coding switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
BCD Code 0-9 30°							
 F 007		10 A	TM-2-8550/E	020300	1	✓	X
BCD Code 0-9 + complement 30°							
 F 007		10 A	TM-4-8552/E	025046	1	✓	X
BCD Code with complete rotation in both directions							
 FS 312		20 A	T0-4-15602/E	029368	1	✓	X


020300

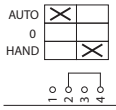
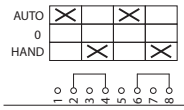
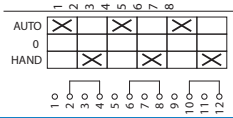
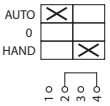
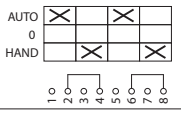
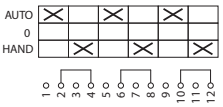
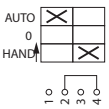
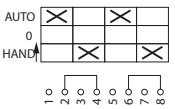
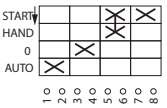
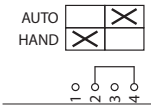
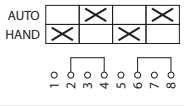
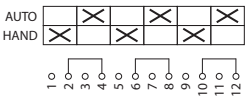

025046


029368

Photos are representative

Flush mounting - Manual/auto switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
60° Switching angle								
 F 085		1	10 A	TM-1-15431/E	025045	1	✓	X
		2	10 A	TM-2-15432/E	027418	1	✓	X
		3	10 A	TM-3-15433/E	029791	1	✓	X
With 0 (Off) position								
 FS 1401		1	20 A	T0-1-15431/E	019872	1	✓	X
		2	20 A	T0-2-15432/E	034110	1	✓	X
		3	20 A	T0-3-15433/E	048348	1	✓	X
With Automatic (spring) return from HAND								
 FS 1414000		1	20 A	T0-1-15434/E	062586	1	✓	X
		2	20 A	T0-2-15435/E	003191	1	✓	X
With Automatic (spring) return from START								
 FS 1413890		2	20 A	T0-2-15907/E	066931	1	✓	X
Without 0 (Off) position								
 FS 19334		1	20 A	T0-1-15451/E	076824	1	✓	X
		2	20 A	T0-2-15452/E	091062	1	✓	X
		3	20 A	T0-3-15453/E	015127	1	✓	X

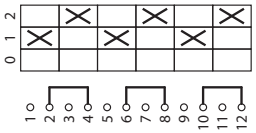
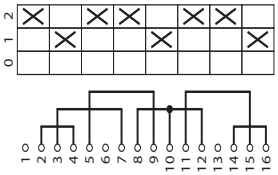
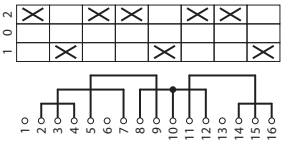


066931

Photo is representative

Flush mounting - Multi speed switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/E	038849	1	✓	X
			32 A	T3-3-8451/E	028641	1	✓	X
			63 A	T5B-3-8451/E	092288	1	✓	X
2 speed, 2 directions, for one tapped winding								
 FS 644		3	20 A	T0-4-8440/E	041222	1	✓	X
			32 A	T3-4-8440/E	035760	1	✓	X
			63 A	T5B-4-8440/E	092032	1	✓	X
 FS 684		3	20 A	T0-4-8441/E	043595	1	✓	X
			32 A	T3-4-8441/E	042879	1	✓	X
			63 A	T5B-4-8441/E	092028	1	✓	X



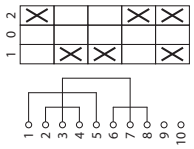
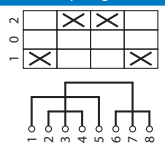
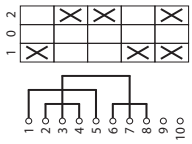
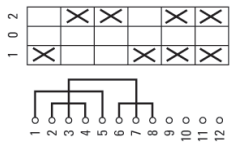
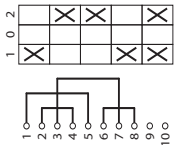


038849

Photo is representative

Flush mounting - Reversing switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switches 60°								
 F 071		3	10 A	TM-3-8401/E	015554	1	✓	X
Without Automatic (spring) return to 0 (Off) position,								
 FS 684		2	20 A	T0-2-8400/E	053079	1	✓	X
			32 A	T3-2-8400/E	073695	1	✓	X
			63 A	T5B-2-8400/E	092918	1	✓	X
		3	20 A	T0-3-8401/E	091047	1	✓	X
			32 A	T3-3-8401/E	030992	1	✓	X
			63 A	T5B-3-8401/E	092296	1	✓	X
		4	20 A	T0-4-74949GB/E	400000	1	✓	X
			32 A	T3-4-74949GB/E	400001	1	✓	X
			63 A	T5B-4-74949GB/E	400002	1	✓	X
With Automatic (spring) return from both directions to 0 (Off position)								
 FS 4011		3	20 A	T0-3-8228/E	015112	1	✓	X
			32 A	T3-3-8228/E	002538	1	✓	X
			63 A	T5B-3-8228/E	092374	1	✓	X

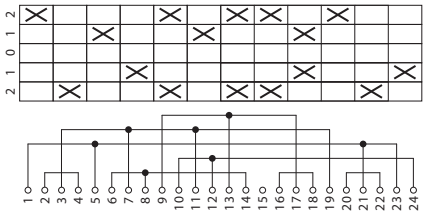
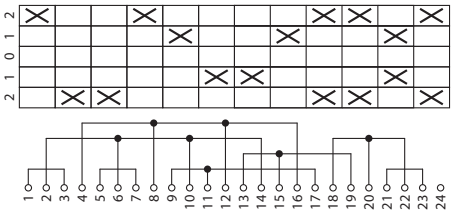
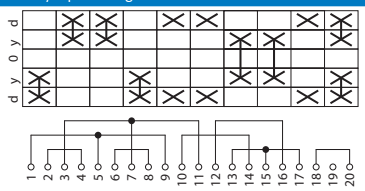
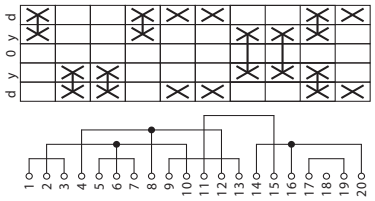


015554

Photo is representative

Flush mounting - Reversing switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, 2 directions, for one tapped winding								
 FS 629			20 A	T0-6-15866/E	055460	1	✓	X
			32 A	T3-6-15866/E	054744	1	✓	X
 FS 441			63 A	T5B-7-15866/E	214788	1	✓	X
Star delta, two-way operating direction								
 FS 638		3	20 A	T0-5-15876/E	000893	1	✓	X
			32 A	T3-5-15876/E	016776	1	✓	X
 FS 4017		3	63 A	T5B-5-15876/E	214785	1	✓	X

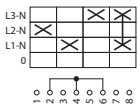
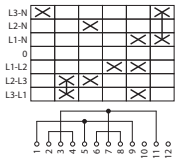
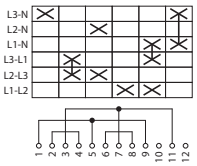
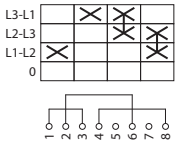
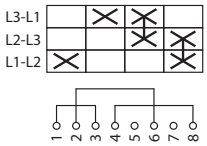
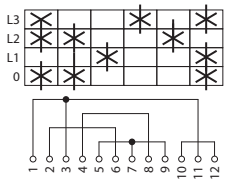


214785

Photo is representative

Flush mounting - Selector switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter								
 FS 1410757		3 x phase-N with 0 position	20 A	T0-2-15921/E	067337	1	✓	X
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	20 A	T0-3-8007/E	095813	1	✓	X
 FS 164721		3 x phase-phase 3 x phase-N without 0 position with complete rotation in both directions	20 A	T0-3-15924/E	019878	1	✓	X
 FS 1410755		3 x phase-phase with 0 position	20 A	T0-2-15920/E	038861	1	✓	X
 FS 164854		3 x phase-phase without 0 position	20 A	T0-2-15922/E	053099	1	✓	X
Ammeter with complete rotation in both directions, measurement via current transformer, with 0 (OFF) position								
 FS 9440		X	20 A	T0-3-8048/E	034116	1	✓	X



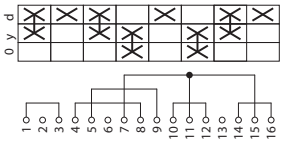


095813

Photo is representative

Flush mounting - Star-delta switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/E	024604	1	✓	X
			32 A	T3-4-8410/E	009657	1	✓	X
			63 A	T5B-4-8410/E	092052	1	✓	X

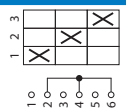
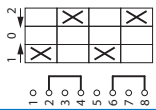
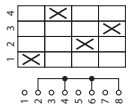
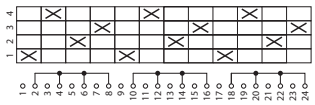
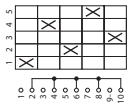
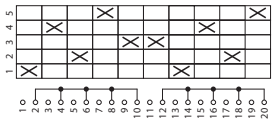
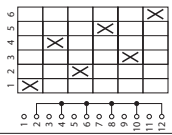
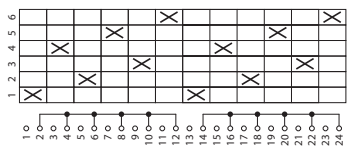
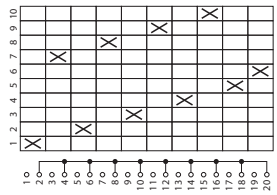


092052

Photo is representative

Flush mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	N/0	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
3 steps 60°									
 F 076			1	10 A	TM-2-8230/E	039283	1	✓	X
			3	10 A	TM-5-8270/E	041656	1	✓	X
4 steps 60°									
 F 077			1	10 A	TM-2-8231/E	044029	1	✓	X
			3	10 A	TM-6-8271/E	046402	1	✓	X
5 steps 60°									
 F 078			1	10 A	TM-3-8232/E	039298	1	✓	X
			2	10 A	TM-5-8252/E	041671	1	✓	X
6 steps 60°, no full rotation									
 F 079			1	10 A	TM-3-8233/E	053521	1	✓	X
			2	10 A	TM-6-8253/E	055894	1	✓	X
10 steps 30°									
			1	10 A	TM-5-8237/E	069150	1	✓	X

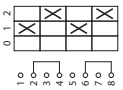
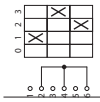
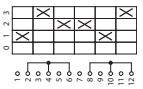
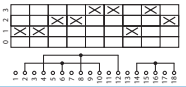
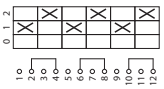
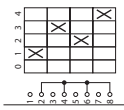
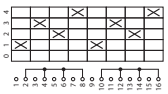
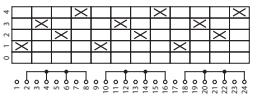
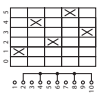
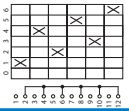
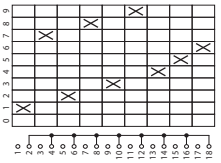


041671

Photo is representative

Flush mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

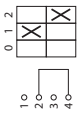
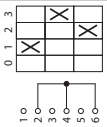
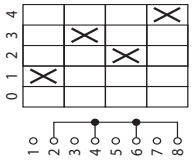
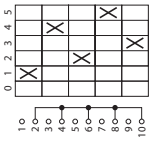
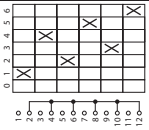
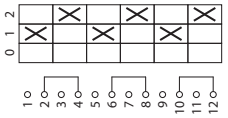
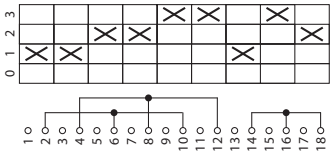
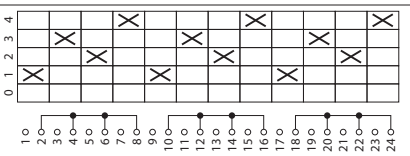
Front plate	Contact sequence	Rated current	Number of poles N/0	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 steps 60°								
 F 075		10 A	1	TM-1-8240/E	058267	1	✓	X
		10 A	2	TM-2-8260/E	060640	1	✓	X
3 steps 45°								
 F 109		10 A	1	TM-2-8241/E	065386	1	✓	X
		10 A	2	TM-3-8261/E	067759	1	✓	X
		10 A	3	TM-5-8281/E	070132	1	✓	X
3 steps 60°								
 F 075		10 A	3	TM-3-8280/E	063013	1	✓	X
4 steps 30°								
 F 002		10 A	1	TM-3-8242/E	072505	1	✓	X
		10 A	2	TM-4-8262/E	074878	1	✓	X
		10 A	3	TM-6-8282/E	077251	1	✓	X
5 steps 30°								
 F 003		10 A	1	TM-3-8243/E	079624	1	✓	X
6 steps 30°								
 F 004		10 A	1	TM-3-8244/E	081997	1	✓	X
9 steps 30°								
 F 007		10 A	1	TM-5-8247/E	009741	1	✓	X


072505

Photo is representative

Flush mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/E	034105	1	✓	X
 FS 420		1	20 A	T0-2-8241/E	050716	1	✓	X
 FS 422		1	20 A	T0-2-8242/E	067327	1	✓	X
 FS 424		1	20 A	T0-3-8243/E	081565	1	✓	X
 FS 426		1	20 A	T0-3-8244/E	095803	1	✓	X
 FS 418		3	20 A	T0-3-8280/E	034106	1	✓	X
 FS 420		3	20 A	T0-5-8281/E	048344	1	✓	X
 FS 422		3	20 A	T0-6-8282/E	062582	1	✓	X

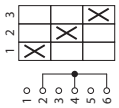
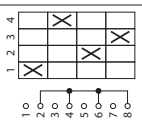
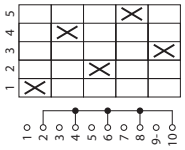
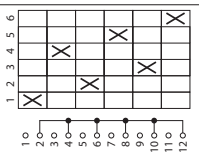
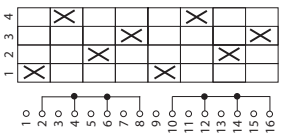
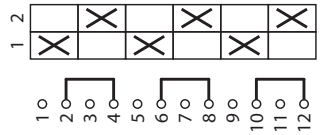
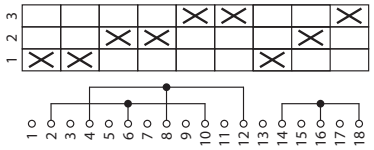
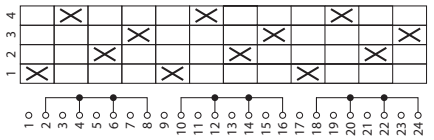


062582

Photo is representative

Flush mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (Off) position								
 FS 943		1	20 A	T0-1-8220/E	031728	1	✓	X
 FS 404		1	20 A	T0-2-8230/E	088685	1	✓	X
 FS 606		1	20 A	T0-2-8231/E	012750	1	✓	X
 FS 408		1	20 A	T0-3-8232/E	026988	1	✓	X
 FS 410		1	20 A	T0-3-8233/E	041226	1	✓	X
 FS 406		2	20 A	T0-4-8251/E	013971	1	✓	X
 FS 943		3	20 A	T0-3-8222/E	048339	1	✓	X
 FS 404		3	20 A	T0-5-8270/E	091059	1	✓	X
 FS 406		3	20 A	T0-6-8271/E	015124	1	✓	X

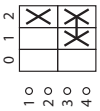


091059

Photo is representative

Flush mounting - Step switch-disconnectors for heating

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Number of poles N/0	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 614		20 A	1	T0-1-91/E	072082	1	✓	X



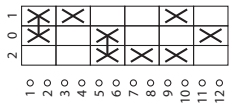
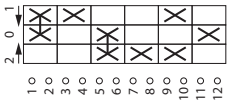


072082

Photo is representative

Flush mounting - Universal control switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Maintained switches with 3 positions 1 Contact closed in each position - Additionally 1 contact closed in position 0 and 1 - Additionally 1 contact closed in position 0 and 2 - Additionally 1 contact closed in position 0 and 3							
 FS 429		20 A	T0-3-15391/E	029365	1	✓	X
Automatic (spring) return from positions 1 and 2							
 FS 458		20 A	T0-3-15394/E	072079	1	✓	X



072079

Photo is representative

Flush mounting dedicated accessories

Neutral terminal

Early make on switching, late-break off switching.
The N contact always behaves as an early make contact when switching on and as a late break when switching off. N-P1(P3)... switching capacity same as for contacts P1(P3)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Neutral terminal - for left or right side mounting	N-P1E	000651	5	✓	P1
Neutral terminal	N-P3E	062432	5	✓	P3


062432

Neutral terminal

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Front mounting, left	N-P5-125/160E	280969	1	✓	P5-125 (160)/E(EA)
	N-P5-250/315E	280971	1	✓	P5-250/315/E(EA)


280969

Ground terminal

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Front mounting, left	PE-P5-125/160E	280973	1	✓	P5-125 (160)/E(EA)
	PE-P5-250/315E	280975	1	✓	P5-250/315/E(EA)


280973

Auxiliary contacts - 1 normally open (N/O), 1 normally close (N/C)

- Late break on switching, early-make off switching. The N/O is always connected as a load-shedding contact

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For left or right side mounting	HI11-PI/P3E	061813	5	✓	P1	Flush mounting /E or /EA
					P3	Flush mounting /E or /EA

Product standards	UL 60947-4-1, CSA - C22-.2 No 14-05 IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified



Auxiliary contacts - 2 normally open (N/O), 1 normally close (N/C)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For left or right side mounting	HI21-P5-125/160E	280963	1		P5-125 and 160	Flush mounting /EA or /E
	HI21-P5-250/315E	280965	1		P5-250 and 315	Flush mounting /EA or /E



Photos are representative

Flush mounting dedicated accessories

Flush mounting to centre mounting convertor

- For single hole fitting 22.3 mm
- To convert a Flush mounting switch into a Centre mounting switch

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
For cam switches with existing front plate - quick installation with snap fitting system	EZ-T0	081622	1	✓	T0, T3	Flush mounting /E
Mounting diameter 22.3 mm, one man mounting with screw fixing	EZ-P1	091455	1	✓	T0, T3, P1	Flush mounting /E



081622



091455

* UL/CSA certification not required

Shrouds

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
For flush mounting switches with up to 4 contact units Cable entries Quantity: 2 x Ø 20 mm + 2 x Ø 15 mm Cross section: 5 x 6 mm^2, 5 x 2.5 mm^2	H3-T0	093828	1	✓	T0, T3	Flush mounting /E



093828

* UL/CSA certification not required

IP65 Insulated enclosures

Description	Number of contact units	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
IP65 insulated enclosure - With metric knockouts	1-2	CI-K4-T5B-2*	207439	1	✓	T5B	Flush mounting /E

* For converting T5../Z into T5-../I5 and T5B-../E into T5B-.../I4, order AW-T5-... extension terminal additionally. 1 contact unit = 2 contacts

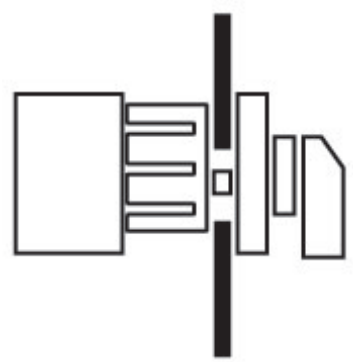
Product standards	UL 60947-4-1 CSA - C22-.2 No 14-05, CSA - C22-2 No 94 IEC/EN 60947-3 CE Marking
UL File No	E54120
UL CCN	MITW2
CSA File No	12528
CSA Class No	3211-07
NA Certification	UL Listed, CSA Certified
Degree of protection	IEC: IP65 UL/CSA Type 1, 3R, 4X, 12, 13 - indoor and outdoor use



207439

Photos are representative

Centre mounting switch-disconnectors





TM Center mounting



T0 Center mounting

Description

Centre mounting switch-disconnectors can be easily installed, using 22.5 mm single-hole mounting, onto doors, panels, lids, enclosures in machinery. switchboard and switchgear.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 10 A to 40 A
- Mounting method: 22.5 mm single-hole mounting

Features

- Available with or without emergency switching off/emergency stop function
- Available with and without auxiliary contacts
- Available with red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole options

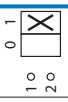
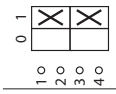
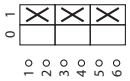
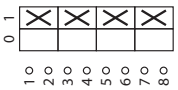
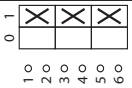
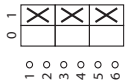
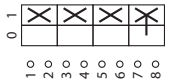
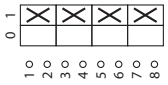
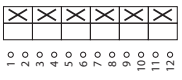
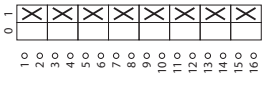
Photos are representative

Centre mounting - Range overview

Rated current	10 A	20 A	25 A	32 A		40 A
On-Off switch-disconnectors	TM	T0	P1	P1	T3	P1
Without auxiliary contacts	✓	✓	✓	✓	✓	✓
With auxiliary contacts		✓			✓	
Changeover swtich-disconnectors	TM	T0			T3	
Without auxiliary contacts	✓	✓			✓	
Coding switch-disconnectors	TM					
Without auxiliary contacts	✓					
Control switch-disconnectors		T0				
Without auxiliary contacts		✓				
Heater switch-disconnectors		T0				
Without auxiliary contacts		✓				
Group switch-disconnectors	TM					
Without auxiliary contacts	✓					
Manual/auto switch-disconnectors	TM	T0				
Without auxiliary contacts	✓	✓				
Multi speed switch-disconnectors		T0			T3	
Without auxiliary contacts		✓			✓	
Reversing switch-disconnectors		T0			T3	
Without auxiliary contacts		✓			✓	
Reversing star delta switch-disconnectors		T0			T3	
Without auxiliary contacts		✓			✓	
Selector switch-disconnectors		T0				
Without auxiliary contacts		✓				
Step switch-disconnectors	TM	T0				
Without auxiliary contacts	✓	✓				

Centre mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 F 056		1	10 A	TM-1-8290/EZ	000693	1	✓	X
		2	10 A	TM-1-8291/EZ	015073	1	✓	X
		3	10 A	TM-2-8292/EZ	015096	1	✓	X
		3+N	10 A	TM-2-8293/EZ	045486	1	✓	X
 FS 415		1	20 A	T0-1-15401/EZ	041227	1	✓	X
 FS 908		1	20 A	T0-1-8200/EZ	069725	1	✓	X
			32 A	T3-1-8200/EZ	066581	1	✓	X
 FS 415		2	20 A	T0-1-15402/EZ	055465	1	✓	X
 FS 908		2	20 A	T0-1-102/EZ	091082	1	✓	X
			32 A	T3-1-102/EZ	078446	1	✓	X
 FS 415		3	20 A	T0-2-15403/EZ	069703	1	✓	X
 FS 908		3	20 A	T0-2-1/EZ	027012	1	✓	X
			25 A	P1-25/EZ	041250	1	✓	X
			32 A	P1-32/EZ	048369	1	✓	X
			40 A	P1-40/EZ	199903	1	X	X
		3 + N	20 A	T0-2-8900/EZ	207402	1	✓	X
			25 A	P1-25/EZ/N	079218	1	✓	X
			32 A	P1-32/EZ/N	095829	1	✓	X
			40 A	P1-40/EZ/N	199904	1	X	X
 FS 415		4	20 A	T0-2-15404/EZ	083941	1	✓	X
 FS 908		6	20 A	T0-3-8342/EZ	045997	1	✓	X
 FS 908		8	20 A	T0-4-8344/EZ	014002	1	✓	X
			32 A	T3-4-8344/EZ	020595	1	✓	X

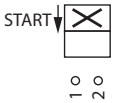
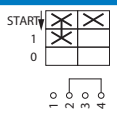
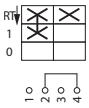
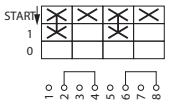
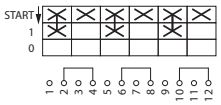
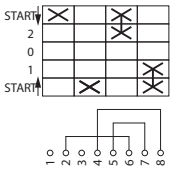
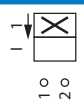
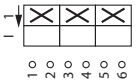
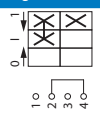


015073

Photo is representative

Centre mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
ON Switch 30°								
 F 023		1	10 A	TM-1-8175/EZ	015690	1	✓	X
ON OFF Switch 90°/30° - With Automatic (spring) return to 1								
 F 119		1	10 A	TM-1-8178/EZ	016786	1	✓	X
ON OFF Switch 90°/30° - With Automatic (spring) return in START position								
 FS 147767		1	20 A	T0-1-15511/EZ	022248	1	✓	X
		2	20 A	T0-2-15512/EZ	036486	1	✓	X
		3	20 A	T0-3-15513/EZ	050724	1	✓	X
 FS 140660		2	20 A	T0-2-8177/EZ	017503	1	✓	X
Automatic (spring) return from position 1								
 FS 4721		1	20 A	T0-1-15321/EZ	088690	1	✓	X
		2	20 A	T0-1-15322/EZ	012755	1	✓	X
		3	20 A	T0-2-15323/EZ	026993	1	✓	X
Automatic (spring) return in position 1 and 0								
 FS 456		1	20 A	T0-1-15366/EZ	083945	1	✓	X



016786



036486



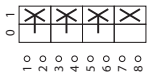
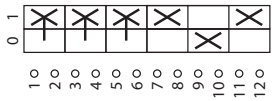
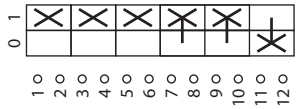
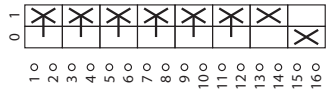


012755

Photos are representative

Centre mounting - On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/EZ	031760	1	✓	X
		3	2	1	20 A	T0-2-15683/EZ	016658	1	✓	X
		3+N	1	1	20 A	T0-3-8901/EZ	231939	1	✓	X
					32 A	T3-3-8901/EZ	231950	1	✓	X
		6	1	1	20 A	T0-4-15682/EZ	012778	1	✓	X

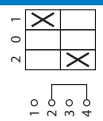
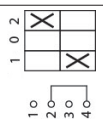
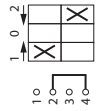
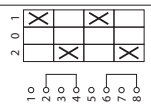
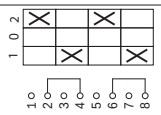
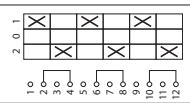
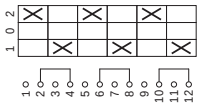
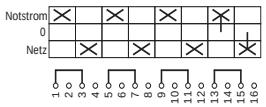
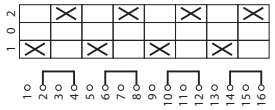
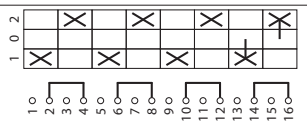
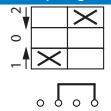
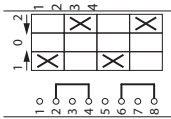
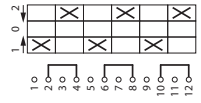


231950

Photo is representative

Centre mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 429		1	20 A	T0-1-15421/EZ	098179	1	✓	X
 FS 684		1	20 A	T0-1-8210/EZ	048337	1	✓	X
			32 A	T3-1-8210/EZ	003072	1	✓	X
 FS 4011		1	20 A	T0-1-8214/EZ	076815	1	✓	X
 FS 429		2	20 A	T0-2-15422/EZ	022244	1	✓	X
 FS 684		2	20 A	T0-2-8211/EZ	053083	1	✓	X
			32 A	T3-2-8211/EZ	003075	1	✓	X
 FS 429		3	20 A	T0-3-15423/EZ	036482	1	✓	X
 FS 684		3	20 A	T0-3-8212/EZ	057829	1	✓	X
			32 A	T3-3-8212/EZ	003080	1	✓	X
 FS 161629		4	32 A	T3-4-8902/EZ	215223	1	✓	X
 FS 684		4	20 A	T0-4-8213/EZ	062575	1	✓	X
			32 A	T3-4-8213/EZ	003079	1	✓	X
 FS 953		4	20 A	T0-4-8294/EZ	072069	1	✓	X
With Automatic (spring) return to the 0 (OFF) position from both directions								
 FS 4011		1	20 A	T0-1-8214/EZ	076815	1	X	X
		2	20 A	T0-2-8215/EZ	081561	1	✓	X
		3	20 A	T0-3-8216/EZ	086307	1	✓	X

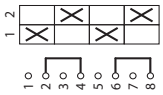
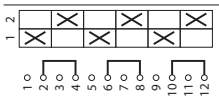
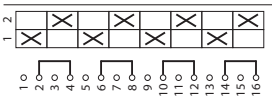
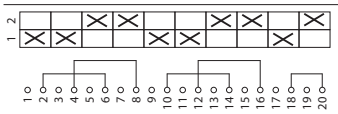
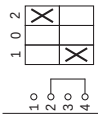
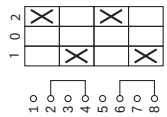
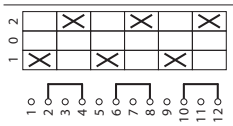
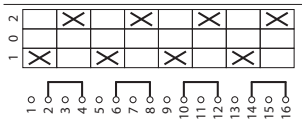


 215223

Photo is representative

Centre mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (OFF) position 60°								
 F 072		1	10 A	TM-1-8220/EZ	000692	1	✓	X
		2	10 A	TM-2-8221/EZ	015197	1	✓	X
		3	10 A	TM-3-8222/EZ	045493	1	✓	X
		4	10 A	TM-4-8223/EZ	046119	1	✓	X
		5	10 A	TM-5-8369/EZ	046126	1	✓	X
With 0 (OFF) position 60°								
 F 071		1	10 A	TM-1-8210/EZ	015137	1	✓	X
		2	10 A	TM-2-8211/EZ	015166	1	✓	X
		3	10 A	TM-3-8212/EZ	045491	1	✓	X
		4	10 A	TM-4-8213/EZ	045847	1	✓	X

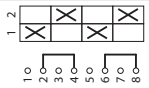
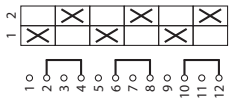
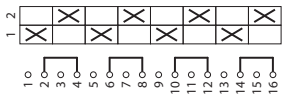
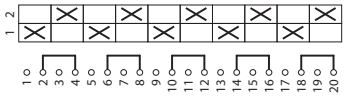
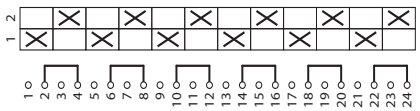
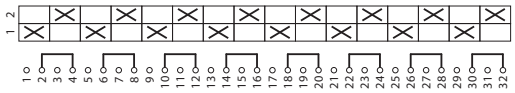


045491

Photo is representative

Centre mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Two way switch, without emergency switching off/emergency stop function								
 FS 943		1	20 A	T0-1-8220/EZ	095799	1	✓	X
		2	20 A	T0-2-8221/EZ	010372	1	✓	X
			32 A	T3-2-8221/EZ	001025	1	✓	X
		3	20 A	T0-3-8222/EZ	015118	1	✓	X
			32 A	T3-3-8222/EZ	001069	1	✓	
		4	20 A	T0-4-8223/EZ	019864	1	✓	X
		5	20 A	T0-5-8369/EZ	024610	1	✓	X
		6	20 A	T0-6-8370/EZ	029356	1	✓	X
			32 A	T3-6-8370/EZ	004506	1	✓	X
		8	20 A	T0-8-8372/EZ	034102	1	✓	

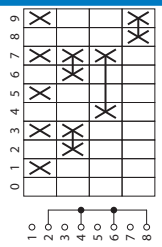
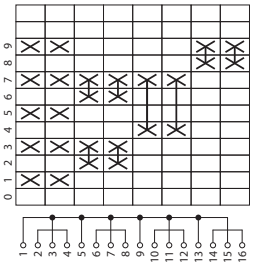


024610

Photo is representative

Centre mounting - Coding switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
BCD Code 0-9 30°							
 F 007		10 A	TM-2-8550/EZ	000699	1	✓	X
BCD Code 0-9 30° with complete rotation in both directions							
 FS 312		20 A	T0-4-15602/EZ	031741	1	✓	X



000699

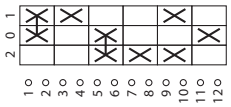
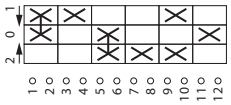


031741

Photos are representative

Centre mounting - Control switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Maintained switches with 3 positions 1 Contact closed in each position - Additionally 1 contact closed in position 0 and 1 - Additionally 1 contact closed in position 0 and 2 - Additionally 1 contact closed in position 0 and 3							
 FS 429		20 A	T0-3-15391/EZ	031738	1	✓	X
Automatic (spring) return from positions 1 and 2							
 FS 458		20 A	T0-3-15394/EZ	074452	1	✓	X

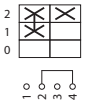
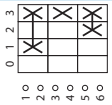




031738

Centre mounting - Group switch-disconnectors

Without emergency switch off/emergency stop function

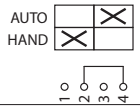
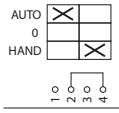
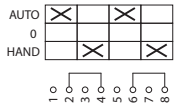
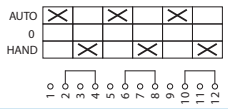
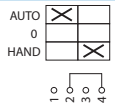
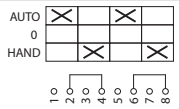
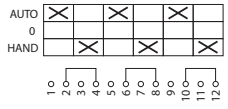
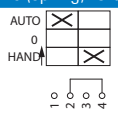
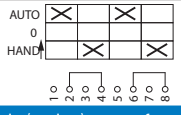
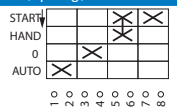
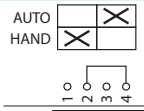
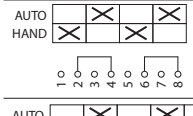
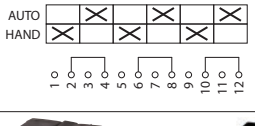
Front plate	Contact sequence	Pole N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 groups 60°								
 F 075		3+N	10 A	TM-1-8310/EZ	045479	1	✓	X
3 groups 30°								
 F 001		3+N	10 A	TM-1-8311/EZ	045487	1	✓	X



045487

Photo is representative

Centre mounting - Manual/auto switch-disconnectors

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 F 288		1	10 A	TM-1-8220F88/EZ	016925	1	✓	X
 F 085		1	10 A	TM-1-15431/EZ	000691	1	✓	X
		2	10 A	TM-2-15432/EZ	016878	1	✓	X
		3	10 A	TM-3-15433/EZ	045490	1	✓	X
With 0 (Off) position								
 FS 1401		1	20 A	T0-1-15431/EZ	022245	1	✓	X
		2	20 A	T0-2-15432/EZ	036483	1	✓	X
		3	20 A	T0-3-15433/EZ	050721	1	✓	X
With Automatic (spring) return from HAND								
 FS 1414000		1	20 A	T0-1-15434/EZ	018053	1	✓	X
		2	20 A	T0-2-15435/EZ	003192	1	✓	X
With Automatic (spring) return from START								
 FS 1413890		2	20 A	T0-2-15907/EZ	069304	1	✓	X
Without 0 (Off) position								
 FS 19334		1	20 A	T0-1-15451/EZ	079197	1	✓	X
		2	20 A	T0-2-15452/EZ	093435	1	✓	X
		3	20 A	T0-3-15453/EZ	017500	1	✓	X



045490



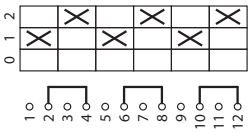
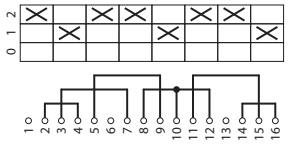
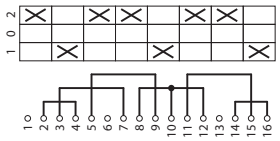


079197

Photos are representative

Centre mounting - Multi speed switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/EZ	083936	1	✓	X
			32 A	T3-3-8451/EZ	000956	1	✓	X
2 speed, 2 directions, for one tapped winding								
 FS 644		3	20 A	T0-4-8440/EZ	088682	1	✓	X
			32 A	T3-4-8440/EZ	000959	1	✓	X
 FS 684		3	20 A	T0-4-8441/EZ	093428	1	✓	X

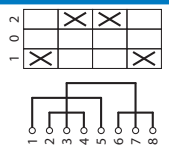
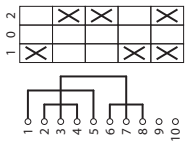
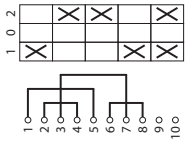
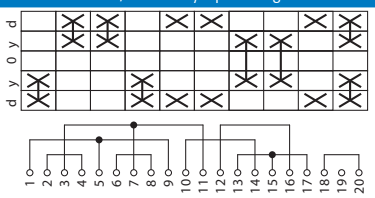
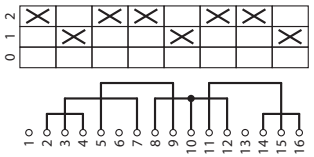


000956

Photo is representative

Centre mounting - Reversing switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switch, without Automatic (spring) return to 0 (Off) position								
 FS 684		2	20 A	T0-2-8400/EZ	055452	1	✓	X
			32 A	T3-2-8400/EZ	000687	1	✓	X
		3	20 A	T0-3-8401/EZ	093420	1	✓	X
			32 A	T3-3-8401/EZ	000694	1	✓	X
Reversing switch, with Automatic (spring) return from both directions to 0 (Off position)								
 FS 4011		3	20 A	T0-3-8228/EZ	048334	1	✓	X
			32 A	T3-3-8228/EZ	000695	1	✓	X
Reversing star delta switch, two-way operating direction								
 FS 638		3	20 A	T0-5-15876/EZ	000900	1	✓	X
			32 A	T3-5-15876/EZ	000797	1	✓	X
Reversing multi speed switch 2 speed, 2 directions, for one tapped winding								
 FS 629			20 A	T0-6-15866/EZ	012747	1	✓	X

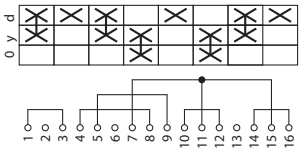

000694

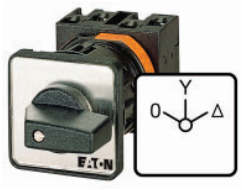

012747

Photos are representative

Centre mounting - Reversing star delta switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/EZ	053080	1	✓	X
			32 A	T3-4-8410/EZ	000721	1	✓	X

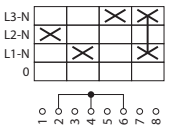
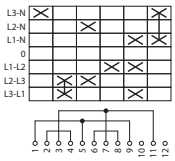
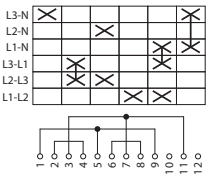
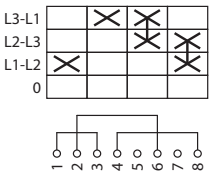
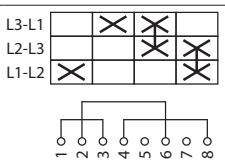


000721

Photo is representative

Centre mounting - Selector switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter								
 FS 1410757		3 x phase-N with 0 position	20 A	T0-2-15921/EZ	069710	1	✓	X
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	20 A	T0-3-8007/EZ	098186	1	✓	X
 FS 164721		3 x phase-phase 3 x phase-N without 0 position with complete rotation in both directions	20 A	T0-3-15924/EZ	022251	1	✓	X
 FS 1410755		3 x phase-phase with 0 position	20 A	T0-2-15920/EZ	041234	1	✓	X
 FS 164854		3 x phase-phase without 0 position	20 A	T0-2-15922/EZ	055472	1	✓	X



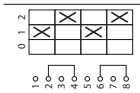
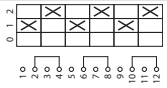
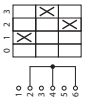
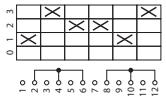
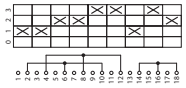
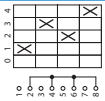
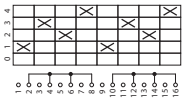
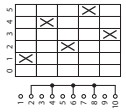
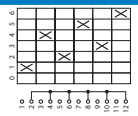
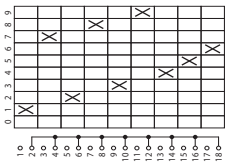


098186

Photo is representative

Centre mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Number of poles N/O I	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 steps 60°								
 F 075		10 A	1	TM-1-8240/EZ	015226	1	✓	X
		10 A	2	TM-2-8260/EZ	045483	1	✓	X
		10 A	3	TM-3-8280/EZ	045496	1	✓	X
3 steps 45°								
 F 109		10 A	1	TM-2-8241/EZ	015256	1	✓	X
		10 A	2	TM-3-8261/EZ	000698	1	✓	X
		10 A	3	TM-5-8281/EZ	046125	1	✓	X
4 steps 30°								
 F 002		10 A	1	TM-3-8242/EZ	015506	1	✓	X
		10 A	2	TM-4-8262/EZ	046120	1	✓	X
5 steps 30°								
 F 003		10 A	1	TM-3-8243/EZ	015537	1	✓	X
6 steps 30°								
 F 004		10 A	1	TM-3-8244/EZ	045495	1	✓	X
9 steps 30°								
 F 007		10 A	1	TM-5-8247/EZ	015565	1	✓	X

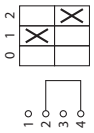
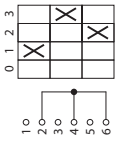
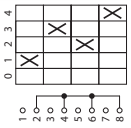
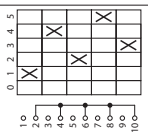
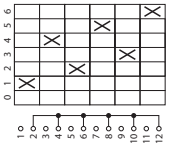
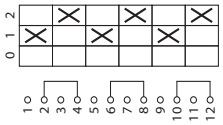
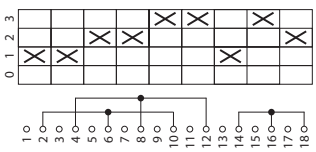
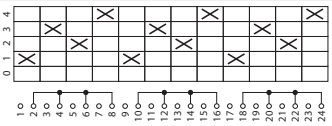


015537

Photo is representative

Centre mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0 I	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/EZ	043597	1	✓	X
 FS 420		1	20 A	T0-2-8241/EZ	053089	1	✓	X
 FS 422		1	20 A	T0-2-8242/EZ	069700	1	✓	X
 FS 424		1	20 A	T0-3-8243/EZ	083938	1	✓	X
 FS 426		1	20 A	T0-3-8244/EZ	098176	1	✓	X
 FS 418		3	20 A	T0-3-8280/EZ	036479	1	✓	X
 FS 420		3	20 A	T0-5-8281/EZ	050717	1	✓	X
 FS 422		3	20 A	T0-6-8282/EZ	064955	1	✓	X



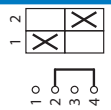
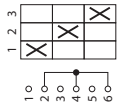
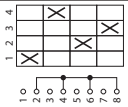
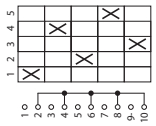
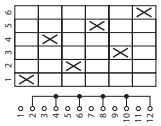
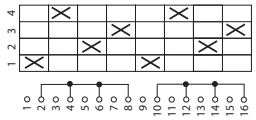
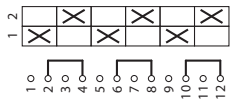
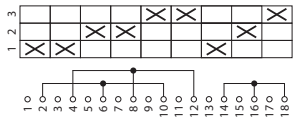
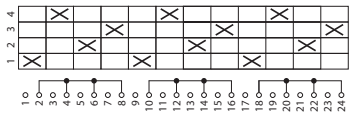


043597

Photo is representative

Centre mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (Off) position								
 FS 943		1	20 A	T0-1-8220/EZ	095799	1	✓	X
 FS 404		1	20 A	T0-2-8230/EZ	091058	1	✓	X
 FS 606		1	20 A	T0-2-8231/EZ	015123	1	✓	X
 FS 408		1	20 A	T0-3-8232/EZ	029361	1	✓	X
 FS 410		1	20 A	T0-3-8233/EZ	043599	1	✓	X
 FS 406		2	20 A	T0-3-8251/EZ	013972	1	✓	X
 FS 943		3	20 A	T0-3-8222/EZ	015118	1	✓	X
 FS 404		3	20 A	T0-5-8270/EZ	093432	1	✓	X
 FS 406		3	20 A	T0-6-8271/EZ	017497	1	✓	X

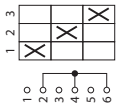
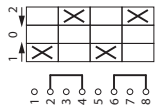
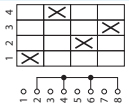
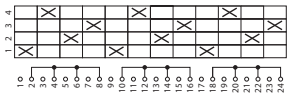
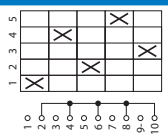
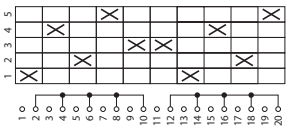
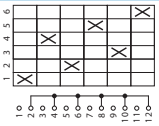
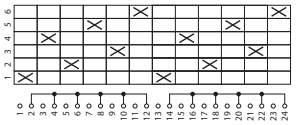
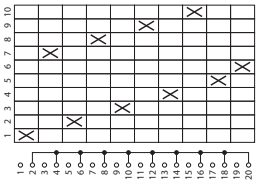


017497

Photo is representative

Centre mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
3 steps 60°								
 F 076		1	10 A	TM-2-8230/EZ	000701	1	✓	X
		3	10 A	TM-5-8270/EZ	046124	1	✓	X
4 steps, 60°								
 F 077		1	10 A	TM-2-8231/EZ	000700	1	✓	X
		3	10 A	TM-6-8271/EZ	046128	1	✓	X
5 steps 60°								
 F 078		1	10 A	TM-3-8232/EZ	015592	1	✓	X
		2	10 A	TM-5-8252/EZ	046123	1	✓	X
6 steps 60°, no full rotation								
 F 079		1	10 A	TM-3-8233/EZ	015630	1	✓	X
		2	10 A	TM-6-8253/E	046127	1	✓	X
10 steps 30°								
 F 011		1	10 A	TM-5-8237/EZ	015661	1	✓	X

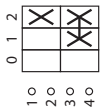


015630

Photo is representative

Centre mounting - Step switch-disconnectors for heating

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Number of poles N/O	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 614		20 A	1	T0-1-91/EZ	074455	1	✓	X





074455

Centre mounting dedicated accessories

Key operated lock mechanism

For ordering with base switch unit		For ordering as a standalone unit		Key withdrawable in position
Part number	Article number	Part number	Article number	
Micromec lock 90° switch angle				
+EZ/S-A	045458	EZ/S-A-TM	046991	0°
+EZ/S-B	045459	EZ/S-B-TM	046992	270°
+EZ/S-E	045462	EZ/S-E-TM	046995	0° + 90°
+EZ/S-F	045463	EZ/S-F-TM	046996	270° & 0°
+EZ/S-G	045464	EZ/S-G-TM	046997	270° + 0° + 90° + 180°
+EZ/S-R	045471	EZ/S-R-TM	047004	270° + 0° + 90°
Ronis lock 60° switch angle				
+EZ/S-D	045461	X	X	270° + 90°
+EZ/S-H	045465	X	X	300° + 0° + 60° + 120° +180° + 240°
+EZ/S-J	045466	X	X	270° + 330° + 30° + 90° +150° + 210°
+EZ/S-N	045468	X	X	270° + 330° + 90° + 150°

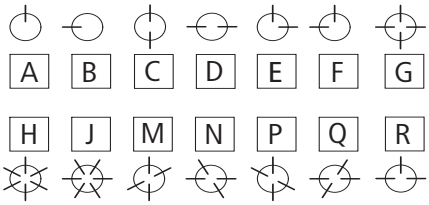


Key operation lock mechanism, incuding. 2 keys.

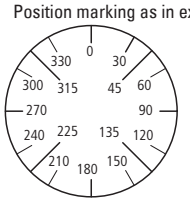
The key can only be removed in certain positions; see diagram. The MICROMEC lock for 90° can be used for other switching angles as well if the key withdrawability characteristics match the type of switch.

Example: +EZ/S-B can be used with a step switch with a switching angle of 30° if the key is only to be withdrawable in the 0 position at 270°.

Options for key withdrawal

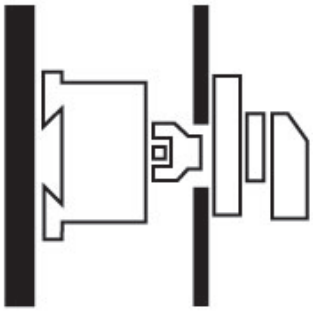


Position marking as in example



Photos are representative

Rear mounting switch-disconnectors



Description

Rear mounting switch-disconnectors can be easily installed, either using screw fixings or directly onto a DIN-Rail, on the rear of a panel, control board, enclosures in machinery, switchboard and switchgear.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 20 A to 315 A
- Mounting method: Screw fixings or directly onto a DIN-Rail



T3 Rear mounting

Features

- Available with or without emergency switching off/emergency stop function
- Available with and without auxiliary contacts
- Available with red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole options
-



P1 Rear mounting

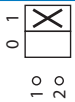
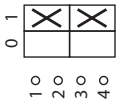
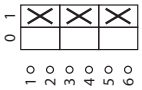
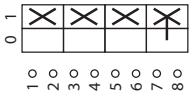
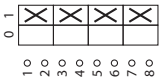
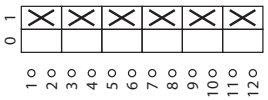
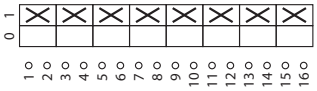
Photos are representative

Rear mounting - Range overview

Rated current	20 A	25 A	32 A		40 A	63 A		100 A		125 A	160 A		250 A	275 A	315 A
On-Off switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	P3	T5	P5	P5	T6	P5		P5
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
With auxiliary contacts	✓			✓			✓		✓						
Main switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	P3	T5	P5	P5	T6	P5	T8	P5
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
With auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Main switch-disconnectors with 400 mm metal shaft extension		P1	P1	T3	P1	P3		P3							
Without auxiliary contacts		✓	✓		✓	✓		✓							
With auxiliary contacts		✓	✓		✓	✓		✓							
Changeover swtich-disconnectors	T0			T3			T5B		T5						
Without auxiliary contacts	✓			✓			✓		✓						
Manual/auto switch-disconnectors	T0														
Without auxiliary contacts	✓														
Multi speed switch-disconnectors	T0			T3			T5B								
Without auxiliary contacts	✓			✓			✓								
Reversing speed switch-disconnectors	T0			T3			T5B								
Without auxiliary contacts	✓			✓			✓								
Selector switch-disconnectors	T0														
Without auxiliary contacts	✓														
Star-delta switch-disconnectors	T0			T3			T5B								
Without auxiliary contacts	✓			✓			✓								
Step switch-disconnectors	T0														
Without auxiliary contacts	✓														
Universal switch-disconnectors	T0														
Without auxiliary contacts	✓														

Rear mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/Z	076844	1	✓	X
			20 A	T0-1-15401/Z	048346	1	✓	X
			32 A	T3-1-8200/Z	071327	1	✓	X
			63 A	T5B-1-8200/Z	094270	1	✓	X
		2	20 A	T0-1-102/Z	095828	1	✓	X
			20 A	T0-1-15402/Z	062584	1	✓	X
			32 A	T3-1-102/Z	083192	1	✓	X
			63 A	T5B-1-102/Z	094460	1	✓	X
		3	20 A	T0-2-1/Z	036504	1	✓	X
			20 A	T0-2-15403/Z	076822	1	✓	X
			25 A	P1-25/Z	057708	1	✓	X
			32 A	P1-32/Z	098049	1	✓	X
			40 A	P1-40/Z	199964	1	X	X
			63 A	P3-63/Z	050591	1	✓	X
			100 A	P3-100/Z	280920	1	✓	X
			125 A	P5-125/Z	090931	1	✓	X
			160 A	P5-160/Z	280934	1	✓	X
			250 A	P5-250/Z	280948	1	✓	X
			315 A	P5-315/Z	280962	1	✓	X
		3 + N	20 A	T0-2-8900/Z	207407	1	✓	X
			25 A	P1-25/Z/N	088710	1	✓	X
			32 A	P1-32/Z/N	015148	1	✓	X
			40 A	P1-40/Z/N	199966	1	X	X
			63 A	P3-63/Z/N	027013	1	✓	X
			100 A	P3-100/Z/N	038878	1	✓	X
		4	20 A	T0-2-15404/Z	091060		✓	X
		6	20 A	T0-3-8342/Z	055489	1	✓	X
			32 A	T3-3-8342/Z	052344	1	✓	X
			63 A	T5B-3-8342/Z	092297	1	✓	X
		8	20 A	T0-4-8344/Z	014009	1	✓	X
			32 A	T3-4-8344/Z	020600	1	✓	X

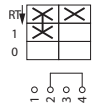
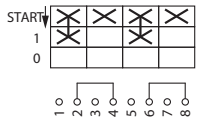
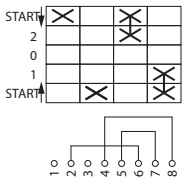
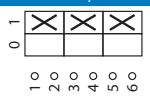
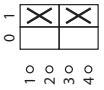
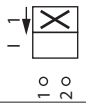


015148

Photo is representative

Rear mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
ON - OFF Switch - With Automatic (spring) return in START position								
 FS 147767		1	20 A	T0-1-15511/Z	029367	1	✓	X
		2	20 A	T0-2-15512/Z	043605	1	✓	X
 FS 140660		2	20 A	T0-2-8177/Z	024622	1	✓	X
ON-OFF Panic switch - Key can only be withdrawn in position 0 (Pos A)								
 FS 908		3	20 A	T0-2-1/Z/SVA(A)	050978	1	✓	✓
		3	25 A	P1-25/Z/SVA(A)	050969	1	✓	✓
ON-OFF Panic switch - Key operation lock mechanism ST-0 Key can only be withdrawn in position 0 (Pos A)								
 FS 908		2	20 A	T0-1-102/Z/S	014971	1	✓	X
ON Switch - With Automatic (spring) return from position 1								
 FS 4721		1	20 A	T0-1-15321/Z	095809	1	✓	X





024622



050978

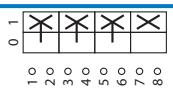
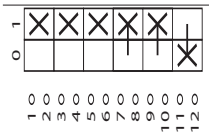
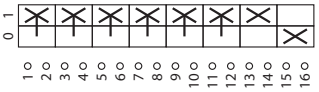


014971

Photos are representative

Rear mounting - On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/Z	041252	1	✓	X
		3-N	1	1	32 A	T3-3-8901/Z	231952	1	✓	X
		6	1	1	20 A	T0-4-15682/Z	022270	1	✓	X
					32 A	T3-4-15682/Z	030988	1	✓	X
					63 A	T5B-4-15682/Z	207429	1	✓	X
					100 A	T5-4-15682/Z	207417	1	✓	X



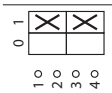
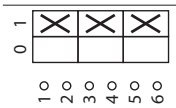
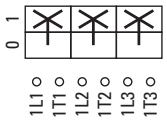
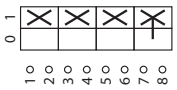
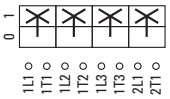
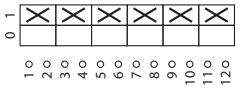
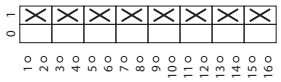


231952

Photo is representative

Rear mounting - Main switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/V/SVB-SW	060229	1	✓	✓
			32 A	T3-1-8200/V/SVB-SW	004882	1	✓	✓
		2	20 A	T0-1-102/V/SVB-SW	022330	1	✓	✓
			32 A	T3-1-102/V/SVB-SW	021493	1	✓	✓
			63 A	T5B-1-102/V/SVB-SW	094462	1	✓	✓
		3	20 A	T0-2-1/V/SVB-SW	045992	1	✓	✓
			25 A	P1-25/V/SVB-SW	050738	1	✓	✓
			30 A	P3-30/V/SVB-SW-MCS	237895	1	✓	✓
			32 A	P1-32/V/SVB-SW	055484	1	✓	✓
			40 A	P1-40/V/SVB-SW	199958	1	X	✓
			63 A	P3-63/V/SVB-SW	060230	1	✓	✓
			100 A	P3-100/V/SVB-SW	064976	1	✓	✓
		3	125 A	P5-125/V/SVB-SW	280917	1	✓	✓
			160 A	P5-160/V/SVB-SW	280931	1	✓	✓
			250 A	P5-250/V/SVB-SW	280945	1	✓	✓
			315 A	P5-315/V/SVB-SW	280959	1	✓	✓
		3 + N	20 A	T0-2-8900/V/SVB-SW	207406	1	✓	✓
			25 A	P1-25/V/SVB-SW/N	088706	1	✓	✓
			32 A	P1-32/V/SVB-SW/N	098198	1	✓	✓
			40 A	P1-40/V/SVB-SW/N	199961	1	X	✓
			63 A	P3-63/V/SVB-SW/N	017517	1	✓	✓
			100 A	P3-100/V/SVB-SW/N	027009	1	✓	✓
		3 + N	125 A	P5-125/V/SVB-SW/N	280919	1	✓	✓
			160 A	P5-160/V/SVB-SW/N	280933	1	✓	✓
			250 A	P5-250/V/SVB-SW/N	280947	1	✓	✓
			315 A	P5-315/V/SVB-SW/N	280961	1	✓	✓
		6	20 A	T0-3-8342/V/SVB-SW	036501	1	✓	✓
			32 A	T3-3-8342/V/SVB-SW	078445	1	✓	✓
			63 A	T5B-3-8342/V/SVB-SW	092299	1	✓	✓
			100 A	T5-3-8342/V/SVB-SW	096380	1	X	✓
		8	20 A	T0-4-8344/V/SVB-SW	008272	1	✓	✓
			32 A	T3-4-8344/V/SVB-SW	008967	1	✓	✓
			63 A	T5B-4-8344/V/SVB-SW	092055	1	✓	✓
			100 A	T5-4-8344/V/SVB-SW	095958	1	X	✓

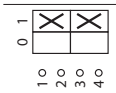
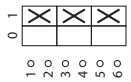
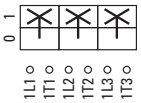
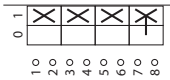
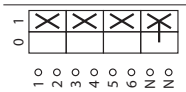
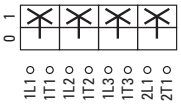
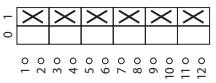
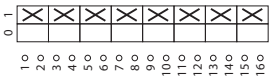


021493

Photo is representative

Rear mounting - Main switch-disconnectors without auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/V/SVB	057856	1	✓	✓
			32 A	T3-1-8200/V/SVB	007255	1	✓	✓
			63 A	T5B-1-8200/V/SVB	094273	1	✓	✓
		2	20 A	T0-1-102/V/SVB	095824	1	✓	✓
			32 A	T3-1-102/V/SVB	019120	1	✓	✓
			63 A	T5B-1-102/V/SVB	094463	1	✓	✓
		3	20 A	T0-2-1/V/SVB	043619	1	✓	✓
			25 A	P1-25/V/SVB	055335	1	✓	✓
			30 A	P3-30/V/SVB-MCS	237894	1	✓	✓
			32 A	P1-32/V/SVB	095676	1	✓	✓
			40 A	P1-40/V/SVB	199952	1	X	✓
			63 A	P3-63/V/SVB	048218	1	✓	✓
			100 A	P3-100/V/SVB	088558	1	✓	✓
		3	125 A	P5-125/V/SVB	280914	1	✓	✓
			160 A	P5-160/V/SVB	280928	1	✓	✓
			250 A	P5-250/V/SVB	280942	1	✓	✓
			315 A	P5-315 kW/V/SVB	280956	1	✓	✓
		3 + N	20 A	T0-2-8900/V/SVB	207405	1	✓	✓
		3 + N	25 A	P1-25/V/SVB/N	086333	1	✓	✓
			32 A	P1-32/V/SVB/N	095825	1	✓	✓
			40 A	P1-40/V/SVB/N	199955	1	X	✓
			63 A	P3-63/V/SVB/N	015144	1	✓	✓
			100 A	P3-100/V/SVB/N	024636	1	✓	✓
		3 + N	125 A	P5-125/V/SVB/N	280916	1	✓	✓
			160 A	P5-160/V/SVB/N	280930	1	✓	✓
			250 A	P5-250/V/SVB/N	280944	1	✓	✓
			315	P5-315 kW/V/SVB/N	280958	1	✓	✓
		6	20 A	T0-3-8342/V/SVB	034128	1	✓	✓
			32 A	T3-3-8342/V/SVB	076072	1	✓	✓
			63 A	T5B-3-8342/V/SVB	092300	1	✓	✓
			100 A	T5-3-8342/V/SVB	096381	1	X	✓
		8	20 A	T0-4-8344/V/SVB	014007	1	✓	✓
			32 A	T3-4-8344/V/SVB	020598	1	✓	✓
			63 A	T5B-4-8344/V/SVB	092056	1	✓	✓
			100 A	T5-4-8344/V/SVB	095959	1	X	✓

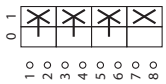
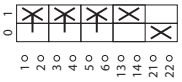
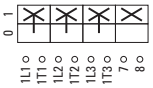
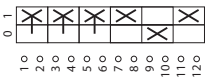
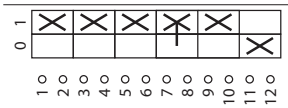
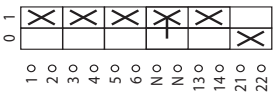
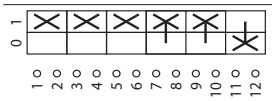
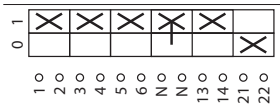
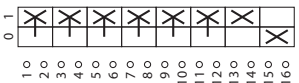
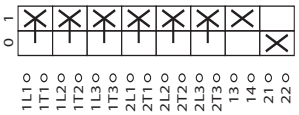
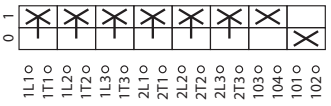


280958

Photo is representative

Rear mounting - Main switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/V/SVB-SW	088707	1	✓	✓
		3	1	1	25 A	P1-25/V/SVB-SW/HI11	098199	1	✓	✓
					32 A	P1-32/V/SVB-SW/HI11	017518	1	✓	✓
					40 A	P1-40/V/SVB-SW/HI11	199959	1	X	✓
					63 A	P3-63/V/SVB-SW/HI11	027010	1	✓	✓
					100 A	P3-100/V/SVB-SW/HI11	036502	1	✓	✓
		3	1	0	125 A	P5-125/V/SVB-SW/HI10	280918	1	✓	✓
					160 A	P5-160/V/SVB-SW/HI10	280932	1	✓	✓
					250 A	P5-250/V/SVB-SW/HI10	280946	1	✓	✓
					315 A	P5-315/V/SVB-SW/HI10	280960	1	✓	✓
		3	2	1	20 A	T0-3-15683/V/SVB-SW	015664	1	✓	✓
		3 + N	1	1	20 A	T0-3-15680/V/SVB-SW	045994	1	✓	✓
					32 A	T3-3-15680/V/SVB-SW	019121	1	✓	✓
		3 + N	1	1	32 A	P1-32/V/SVB-SW/N/HI11	064978	1	✓	✓
					40 A	P1-40/V/SVB-SW/N/HI11	199962	1	X	✓
		3 + N	1	1	32 A	P1-25/V/SVB-SW/N/HI11	055486	1	✓	✓
					63 A	T5B-3-8901/V/SVB-SW	207423	1	✓	✓
		3 + N	1	1	63 A	P3-63/V/SVB-SW/N/HI11	074470	1	✓	✓
					100 A	P3-100/V/SVB-SW/N/HI11	083962	1	✓	✓
		6	1	1	20 A	T0-4-15682/V/SVB-SW	027011	1	✓	✓
					32 A	T3-4-15682/V/SVB-SW	061835	1	✓	✓
					63 A	T5B-4-15682/V/SVB-SW	207428	1	✓	✓
					100 A	T5-4-15682/V/SVB-SW	207416	1	X	✓
		6	1	1	160 A	T6-160-15682/V/SVB-SW/HI11	200127	1	X	✓
		6	1	1	275 A	T8-3-8342/V/SVB-SW/HI11	200128	1	X	✓

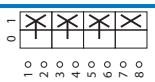
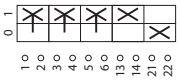
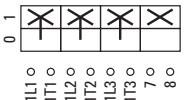
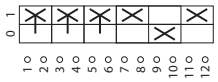
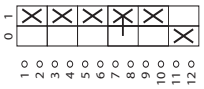
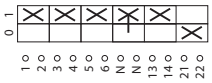
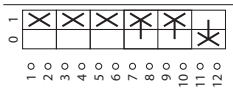
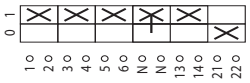
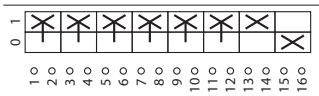
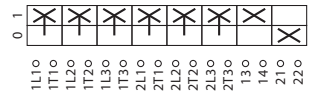
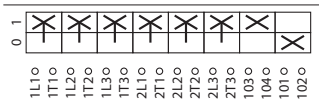


199959

Photo is representative

Rear mounting - Main switch-disconnectors with auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/V/SVB	086334	1	✓	✓
		3	1	1	25 A	P1-25/V/SVB/HI11	095826	1	✓	✓
					32 A	P1-32/V/SVB/HI11	015145	1	✓	✓
					40 A	P1-40/V/SVB/HI11	199953	1	X	✓
					63 A	P3-63/V/SVB/HI11	024637	1	✓	✓
					100 A	P3-100/V/SVB/HI11	034129	1	✓	✓
		3	1	0	125 A	P5-125/V/SVB/HI10	280915	1	✓	✓
					160 A	P5-160/V/SVB/HI10	280929	1	✓	✓
					250 A	P5-250/V/SVB/HI10	280943	1	✓	✓
					315 A	P5-315/V/SVB/HI10	280957	1	✓	✓
		3	2	1	20 A	T0-3-15683/V/SVB	015634	1	✓	✓
					32 A	T3-3-15683/V/SVB	045224	1	✓	✓
		3 + N	1	1	20 A	T0-3-15680/V/SVB	043621	1	✓	✓
					32 A	P1-25/V/SVB/N/HI11	053113	1	✓	✓
					32 A	T3-3-15680/V/SVB	016748		✓	✓
		3 + N	1	1	32 A	P1-32/V/SVB/N/HI11	062605	1	✓	✓
					40 A	P1-40/V/SVB/N/HI11	199956	1	X	✓
		3 + N	1	1	63 A	T5B-3-8901/V/SVB	207422	1	✓	✓
		3 + N	1	1	63 A	P3-63/V/SVB/N/HI11	072097	1	✓	✓
					100 A	P3-100/V/SVB/N/HI11	081589	1	✓	✓
		6	1	1	20 A	T0-4-15682/V/SVB	024638	1	✓	✓
					32 A	T3-4-15682/V/SVB	059462	1	✓	✓
					63 A	T5B-4-15682/V/SVB	207427	1	✓	✓
					100 A	T5-4-15682/V/SVB	207415	1	X	✓
		6	1	1	160 A	T6-160-15682/V/SVB/HI11	200619	1	X	✓
		6	1	1	275 A	T8-3-8342/V/SVB/HI11	200620	1	X	✓

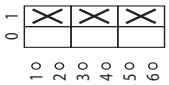
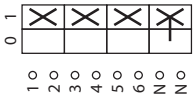
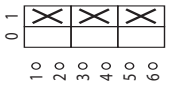
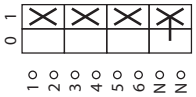
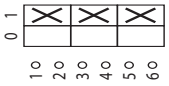
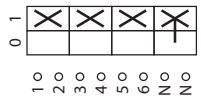


199956

Photo is representative

Rear mounting - Main switch-disconnectors with 400 mm metal extension shaft without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Handle type	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908	Padlockable main switch handle		3	25 A	P1-25/M4/SVB-SW	172876	1	✓	✓
			3	32 A	P1-32/M4/SVB-SW	172866	1	✓	✓
			3	40 A	P1-40/M4/SVB-SW	199940	1	✓	✓
			3	63 A	P3-63/M4/SVB-SW	172785	1	✓	✓
			3	100 A	P3-100/M4/SVB-SW	172819	1	✓	✓
			3 + N	32 A	P1-32/M4/SVB-SW/N	172868	1	✓	✓
			3 + N	25 A	P1-25/M4/SVB-SW/N	172878	1	✓	✓
			3 + N	40 A	P1-40/M4/SVB-SW/N	199942	1	✓	✓
	K-Line K1 Knob		3	25 A	P1-25/M4/K1-PG	172772	1	✓	✓
			3	32 A	P1-32/M4/K1-PG	172874	1	✓	✓
			3 + N	25 A	P1-25/M4/K1-PG/N	172774	1	✓	✓
			3 + N	32 A	P1-32/M4/K1-PG/N	172779	1	✓	✓
	K-Line K2 Knob		3	63 A	P3-63/M4/K2-PG	172811	1	✓	✓
			3	100 A	P3-100/M4/K2-PG	172827	1	✓	✓
			3 + N	63 A	P3-63/M4/K2-PG/N	172813	1	✓	✓
			3 + N	100 A	P3-100/M4/K2-PG/N	172829	1	✓	✓

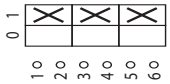
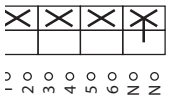
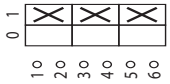
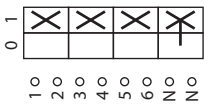
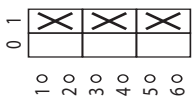
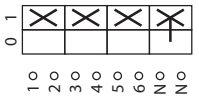


172772

Photo is representative

Rear mounting - Main switch-disconnectors with 400 mm metal extension shaft without auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Handle type	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908	Padlockable main switch handle		3	25 A	P1-25/M4/SVB	172875	1	✓	✓
			3	32 A	P1-32/M4/SVB	172865	1	✓	✓
			3	40 A	P1-40/M4/SVB	199936	1	✓	✓
			3	63 A	P3-63/M4/SVB	172784	1	✓	✓
			3	100 A	P3-100/M4/SVB	172818	1	✓	✓
			3 + N	25 A	P1-25/M4/SVB/N	172877	1	✓	✓
			3 + N	32 A	P1-32/M4/SVB/N	172867	1	✓	✓
			3 + N	40 A	P1-40/M4/SVB/N	199938	1	✓	✓
	K-Line K1 Knob		3	25 A	P1-25/M4/K1-PR	172771	1	✓	✓
			3	32 A	P1-32/M4/K1-PR	172873	1	✓	✓
			3 + N	25 A	P1-25/M4/K1-PR/N	172773	1	✓	✓
			3 + N	32 A	P1-32/M4/K1-PR/N	172778	1	✓	✓
	K-Line K2 Knob		3	63 A	P3-63/M4/K2-PR	172810	1	✓	✓
			3	100 A	P3-100/M4/K2-PR	172826	1	✓	✓
			3 + N	63 A	P3-63/M4/K2-PR/N	172812	1	✓	✓
			3 + N	100 A	P3-100/M4/K2-PR/N	172828	1	✓	✓

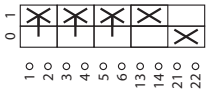
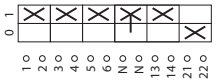
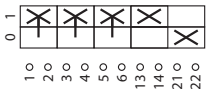
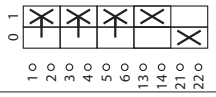
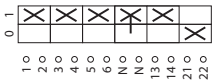
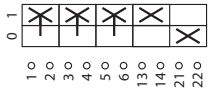
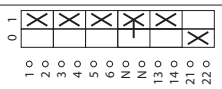


172875

Photo is representative

Rear mounting - Main switch-disconnectors with 400 mm metal extension shaft with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Handle type	Contact sequence	Number of poles	Auxiliary contact N/O	Auxiliary contact N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada
 FS 908	Padlockable main switch handle		3	1	1	25 A	P1-25/M4/SVB-SW/HI11	172768	1	✓
			3	1	1	32 A	P1-32/M4/SVB-SW/HI11	172870	1	✓
			3	1	1	40 A	P1-40/M4/SVB-SW/HI11	199941	1	✓
			3	1	1	63 A	P3-63/M4/SVB-SW/HI11	172807	1	✓
			3 + N	1	1	25 A	P1-25/M4/SVB-SW/N/HI11	172770	1	✓
			3 + N	1	1	32 A	P1-32/M4/SVB-SW/N/HI11	172872		✓
			3 + N	1	1	40 A	P1-40/M4/SVB-SW/N/HI11	199943	1	✓
			3 + N	1	1	63 A	P3-63/M4/SVB-SW/N/HI11	172809	1	✓
			3 + N	1	1	100 A	P1-25/M4/SVB-SW/N/HI11	172770	1	✓
	Padlockable K-Line K1 Knob		3	1	1	25 A	P1-25/M4/K1-PG/HI11	172781	1	✓
			3	1	1	32 A	P1-32/M4/K1-PG/HI11	172776	1	✓
			3 + N	1	1	25 A	P1-25/M4/K1-PG/N/HI11	172864	1	✓
			3 + N	1	1	32 A	P1-32/M4/K1-PG/N/HI11	172783	1	✓
	Padlockable K-Line K2 Knob		3	1	1	63 A	P3-63/M4/K1-PG/N/HI11	172815	1	✓
			3	1	1	100 A	P3-100/M4/K1-PG/N/HI11	172831	1	✓
			3 + N	1	1	63 A	P3-63/M4/K1-PG/N/HI11	172817	1	✓
			3 + N	1	1	100 A	P3-100/M4/K1-PG/N/HI11	172833	1	✓

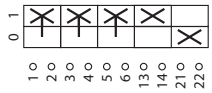
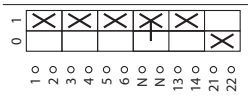
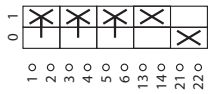
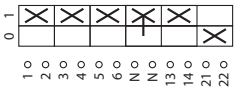
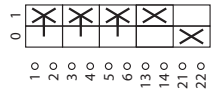
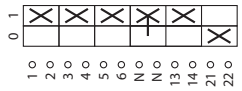


172870

Photo is representative

Rear mounting - Main switch-disconnectors with 400 mm metal extension shaft with auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Handle type	Contact sequence	Number of poles	Auxiliary contact N/O	Auxiliary contact N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada
 FS 908	Padlockable main switch handle		3	1	1	25 A	P1-25/M4/SVB/HI11	172767	1	✓
			3	1	1	32 A	P1-32/M4/SVB/HI11	172869	1	✓
			3	1	1	40 A	P1-40/M4/SVB/HI11	199937	1	✓
			3	1	1	63 A	P3-63/M4/SVB/HI11	172788	1	✓
			3	1	1	100 A	P3-100/M4/SVB/HI11	172822	1	✓
			3 + N	1	1	25 A	P1-25/M4/SVB/N/HI11	172769	1	✓
			3 + N	1	1	32 A	P1-32/M4/SVB/N/HI11	172871	1	✓
			3 + N	1	1	40 A	P1-40/M4/SVB/N/HI11	199939	1	✓
			3 + N	1	1	100 A	P3-100/M4/SVB/N/HI11	172824	1	✓
	Padlockable K-Line K1 Knob		3	1	1	25 A	P1-25/M4/K1-PR/HI11	172775	1	✓
			3	1	1	32 A	P1-32/M4/K1-PR/HI11	172780	1	✓
			3 + N	1	1	25 A	P1-25/M4/K1-PR/N/HI11	172777	1	✓
			3 + N	1	1	32 A	P1-32/M4/K1-PR/N/HI11	172782	1	✓
	Padlockable K-Line K2 Knob		3	1	1	63 A	P3-63/M4/K2-PR/HI11	172814	1	✓
			3	1	1	100 A	P3-100/M4/K2-PR/HI11	172830	1	✓
			3 + N	1	1	63 A	P3-63/M4/K2-PR/N/HI111	172816	1	✓
			3 + N	1	1	100 A	P3-100/M4/K2-PR/N/HI11	172832	1	✓

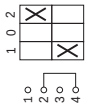
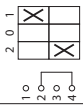
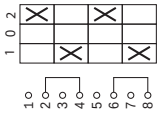
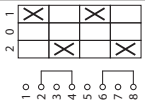
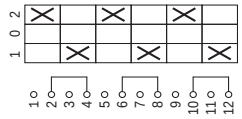
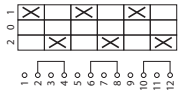
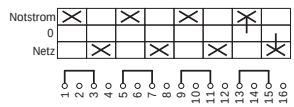
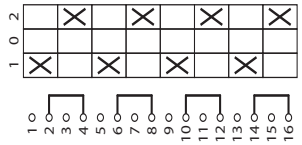
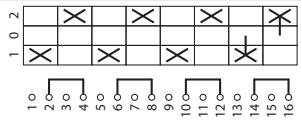


199939

Photo is representative

Rear mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 684		1	20 A	T0-1-8210/Z	019862	1	✓	X
			32 A	T3-1-8210/Z	057091	1	✓	X
			63A	T5B-1-8210/Z	094258	1	✓	X
 FS 429		1	20 A	T0-1-15421/Z	015125	1	✓	X
 FS 684		2	20 A	T0-2-8211/Z	029354	1	✓	X
			32 A	T3-2-8211/Z	064210	1	✓	X
			63 A	T5B-2-8211/Z	093082	1	✓	X
 FS 429		2	20 A	T0-2-15422/Z	029363	1	✓	X
 FS 684		3	20 A	T0-3-8212/Z	036473	1	✓	X
			32 A	T3-3-8212/Z	071329	1	✓	X
			63 A	T5B-3-8212/Z	092383	1	✓	X
			100 A	T5-3-8212/Z	096464	1	X	X
 FS 429		3	20 A	T0-3-15423/Z	043601	1	✓	X
 FS 161629		4	32 A	T3-4-8902/Z	215225	1	✓	X
			63 A	T5B-4-8902/Z	207431	1	✓	X
			100 A	T5-4-8902/Z	207419	1	X	X
 FS 684		4	20 A	T0-4-8213/Z	043592	1	✓	X
			32 A	T3-4-8213/Z	078448	1	✓	X
			63 A	T5B-4-8213/Z	092109	1	✓	X
			100 A	T5-4-8213/Z	096012	1	X	X
 FS 953		4	32 A	T3-4-8294/Z	004886	1	✓	X
			63 A	T5B-4-8294/Z	092081	1	✓	X
			100 A	T5-4-8294/Z	095984	1	X	X



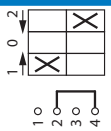
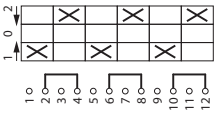
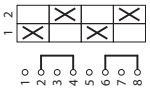
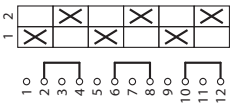
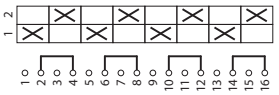
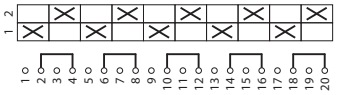
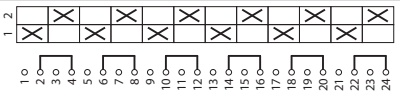
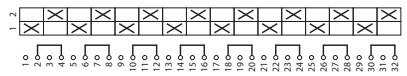


092383

Photo is representative

Rear mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return from both directions								
 FS 4011		1	20 A	T0-1-8214/Z	050720	1	X	X
		3	20 A	T0-3-8216/Z	055466	1	✓	X
Two way switch-disconnector - Without 0 (OFF) posiiton								
 FS 943		1	20 A	T0-1-8220/Z	086312	1	✓	X
		2	20 A	T0-2-8221/Z	074450	1	✓	X
			32 A	T3-2-8221/Z	047600	1	✓	X
			63 A	T5B-2-8221/Z	093044	1	✓	X
		3	20 A	T0-3-8222/Z	088686	1	✓	X
			32 A	T3-3-8222/Z	057092	1	✓	X
			63 A	T5B-3-8222/Z	092375	1	✓	X
		4	20 A	T0-4-8223/Z	086315	1	✓	X
			32 A	T3-4-8223/Z	061838	1	✓	X
			63 A	T5B-4-8223/Z	092105	1	✓	X
		5	32 A	T3-5-8369/Z	068957	1	✓	X
		6	20 A	T0-6-8370/Z	010380	1	✓	X
		8	20 A	T0-8-8372/Z	012753	1	✓	X
			32 A	T3-8-8372/Z	083195	1	✓	X



010380

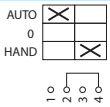
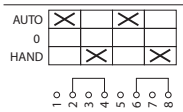
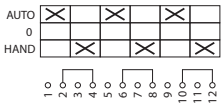
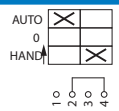
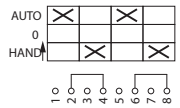
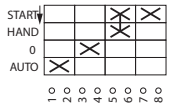
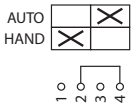
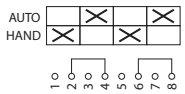
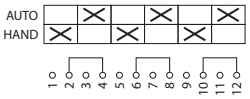


050720

Photos are representative

Rear mounting - Manual/auto switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 1401		1	20 A	T0-1-15431/Z	029364	1	✓	X
		2	20 A	T0-2-15432/Z	043602	1	✓	X
		3	20 A	T0-3-15433/Z	057840	1	✓	X
With Automatic (spring) return from HAND								
 FS 1414000		1	20 A	T0-1-15434/Z	072078	1	✓	X
		2	20 A	T0-2-15435/Z	003196	1	✓	X
With Automatic (spring) return from START								
 FS 1413890		2	20 A	T0-2-15907/Z	078796	1	✓	X
Without 0 (Off) position								
 FS 19334		1	20 A	T0-1-15451/Z	086316	1	✓	X
		2	20 A	T0-2-15452/Z	010381	1	✓	X
		3	20 A	T0-3-15453/Z	024619	1	✓	X



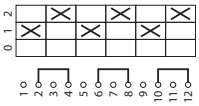
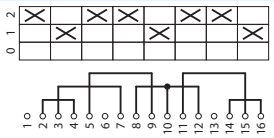
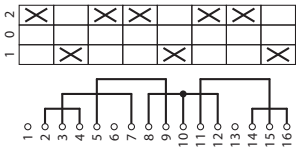


010381

Photo is representative

Rear mounting - Multi speed switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/Z	043596	1	✓	X
			32 A	T3-3-8451/Z	031014	1	✓	X
2 speed, 2 directions, for one tapped winding								
 FS 644		3	20 A	T0-4-8440/Z	048342	1	✓	X
			32 A	T3-4-8440/Z	038133	1	✓	X
			63 A	T5B-4-8440/Z	092029	1	✓	X
 FS 684		3	20 A	T0-4-8441/Z	053088	1	✓	X
			32 A	T3-4-8441/Z	045252	1	✓	X
			63 A	T5B-4-8441/Z	092025	1	✓	X

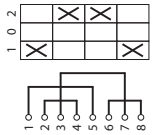
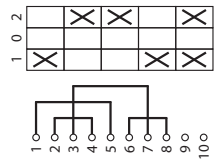
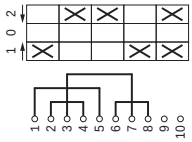
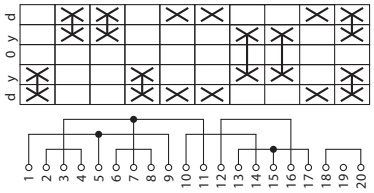
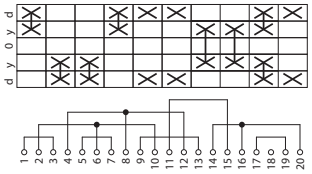
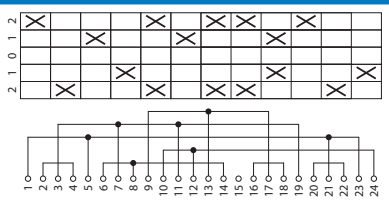


043596

Photo is representative

Rear mounting - Reversing switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switch-disconnector - Without Automatic (spring) return to 0 (Off) position								
 FS 684		2	20 A	T0-2-8400/Z	062571	1	✓	X
			32 A	T3-2-8400/Z	095060	1	✓	X
		3	20 A	T0-3-8401/Z	010366	1	✓	X
			32 A	T3-3-8401/Z	035739	1	✓	X
			63 A	T5B-3-8401/Z	092293	1	✓	X
Reversing switch-disconnector - With Automatic (spring) return from both directions to 0 (Off position)								
 FS 4011		3	20 A	T0-3-8228/Z	074437	1	✓	X
			32 A	T3-3-8228/Z	004911	1	✓	X
Reversing star delta switch-disconnector - Two-way operating direction								
 FS 638		3	20 A	T0-5-15876/Z	000942	1	✓	X
			32 A	T3-5-15876/Z	019149	1	✓	X
 FS 4017		3	63 A	T5B-5-15876/Z	214786	1	✓	X
Reversing multi speed, switch-disconnector 2 speed, 2 directions, for one tapped winding								
 FS 629			20 A	T0-6-15866/Z	067326	1	✓	X
			32 A	T3-6-15866/Z	057117	1	✓	X





074437

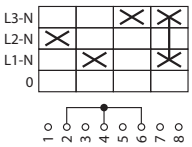
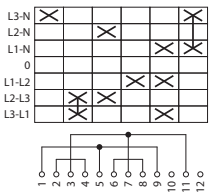
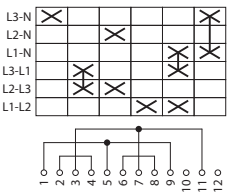
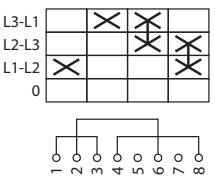
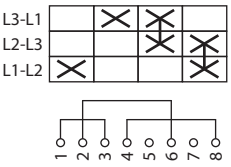


214786

Photos are representative

Rear mounting - Selector switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Pole N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter									
 FS 1410757		3 x phase-N with 0 position	3+N	20 A	T0-2-15921/Z	076829	1	✓	X
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	3+N	20 A	T0-3-8007/Z	015132	1	✓	X
 FS 164721		3 x phase-phase 3 x phase-N without 0 position with complete rotation in both directions	3+N	20 A	T0-3-15924/Z	029370	1	✓	X
 FS 1410755		3 x phase-phase with 0 position	3+N	20 A	T0-2-15920/Z	048353	1	✓	X
 FS 164854		3 x phase-phase without 0 position	3+N	20 A	T0-2-15922/Z	062591	1	✓	X



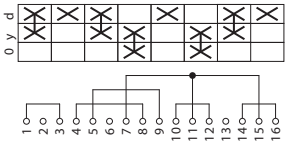


015132

Photo is representative

Rear mounting - Star delta switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/Z	083929	1	X	X
			32 A	T3-4-8410/Z	012030	1	✓	X
			63 A	T5B-4-8410/Z	092049	1	✓	X



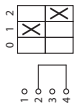
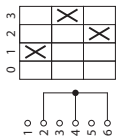
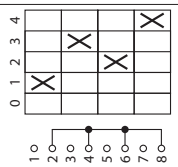
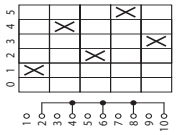
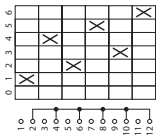
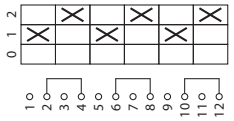
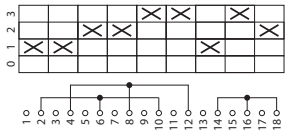
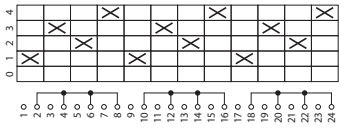


012030

Photo is representative

Rear mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/Z	060208	1	✓	X
 FS 420		1	20 A	T0-2-8241/Z	062581	1	✓	X
 FS 422		1	20 A	T0-2-8242/Z	076819	1	✓	X
 FS 424		1	20 A	T0-3-8243/Z	091057	1	✓	X
 FS 426		1	20 A	T0-3-8244/Z	015122	1	✓	X
 FS 418		3	20 A	T0-3-8280/Z	043598	1	✓	X
 FS 420		3	20 A	T0-5-8281/Z	057836	1	✓	X
 FS 422		3	20 A	T0-6-8282/Z	072074	1	✓	X

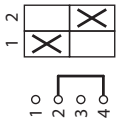
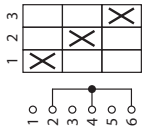
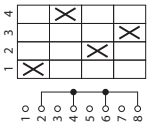
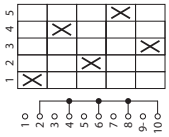
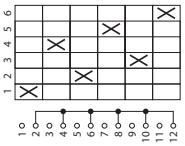
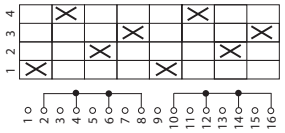
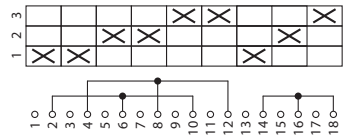
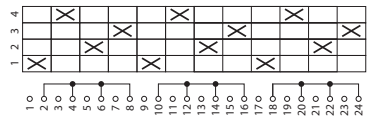


057836

Photo is representative

Rear mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (Off) position								
 FS 943		1	20 A	T0-1-8220/Z	086312	1	✓	X
 FS 404		1	20 A	T0-2-8230/Z	098177	1	✓	X
 FS 606		1	20 A	T0-2-8231/Z	022242	1	✓	X
 FS 408		1	20 A	T0-3-8232/Z	036480	1	✓	X
 FS 410		1	20 A	T0-3-8233/Z	050718	1	✓	X
 FS 406		2	20 A	T0-3-8251/Z	013976	1	✓	X
 FS 404		3	20 A	T0-5-8270/Z	010378	1	✓	X
 FS 406		3	20 A	T0-6-8271/Z	024616	1	✓	X



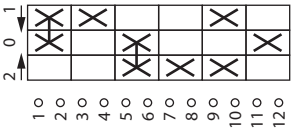


098177

Photo is representative

Rear mounting - Universal control switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Automatic (spring) return from positions 1 and 2							
 FS 458		20 A	T0-3-15394/Z	081571	1	✓	X





081571

Photo is representative

Rear mounting dedicated accessories

Neutral conductor

- Early make on switching, late-break off switching
- The N contact always behaves as an early-make contact when switching on and as a late-break contact for when switching off.
- N-P1(P3)...switching capacity same as for contacts P1(P3)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Neutral conductor	N-P1Z	000652	5	✓	P1	Rear mounting /Z
	N-P3Z	064805	5	✓	P3	Rear mounting /Z


000652

Neutral terminal

- Front mounting, left
- Service distribution board mounting right

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Neutral terminal	N-P5-125/160Z	280970	1	X	P5-125 and 160	Rear mounting /V
	N-P5-250/315Z	280972	1	X	P5-250 and 315	Rear mounting /V



Ground terminal

- Front mounting, right
- Service distribution board mounting left

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Ground terminal	PE-P5-125/160Z	280974	1	X	P5-125 and 160	Rear mounting /V
	PE-P5-250/315Z	280976	1	X	P5-250 and 315	Rear mounting /V



Auxiliary contacts - 1 normally open (N/O), 1 normally close (N/C)

- Late break on switching, early-make off switching. The N/O is always connected as a load-shedding contact

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Auxiliary contacts	HI11-P1/P3Z	062031		✓	P1	Rear mounting /V or /Z
				✓	P3-63	Rear mounting /V or /Z
				✓	P3-100	Rear mounting /V or /Z

Product standards	UL 60947-4-1, CSA - C22-.2 No 14-05 IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified



Photos are representative

Rear mounting dedicated accessories

Auxiliary contacts - 2 normally open (N/O), 1 normally close (N/C)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Auxiliary contact for left and/or right side mounting	HI21-P5-125/160Z	280964	1	X	P5-125 and 160	Rear mounting /V or Z
	HI21-P5-250/315Z	280966	1	X	P5-250 and 315	Rear mounting /V or Z



Maintenance key for interlocked main switches

Special devices for electricians: interlocked main switches can be switched on and off for repairs with the maintenance key while the door is open (as per IEC/EN 60204-1, Section 5.1.1.1)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Maintenance key for interlocked main switches	KNK-T0	000650	5	✓	T0, T3, P1	Rear mounting /Z
	KNK-P3	000649	5	✓	P3, T5, T5B	Rear mounting /Z



Interlock extensions

A maximum of 4 units can be plugged on the interlock section every 25 mm (an equal number of shaft extensions is required for this)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Interlock extension	ZVV-T0	022298	10	✓	T0, T3	Rear mounting /Z
	ZVV-P3	024671	10	✓	T5B, T5	Rear mounting /Z



* UL/CSA certification not required

Shaft

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Aluminium shaft, 480 mm length	ZAV-P5	280979	1	✓	P5	Rear mounting /V



Shaft extensions

A maximum of 4 units can be put on the switch shaft every 25 mm

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Shaft extension	ZAV-T0	027044	10	✓	T0, T3, P1	Rear mounting /V or /Z
	ZAV-P3	029417	10	✓	P3	Rear mounting /V or /Z



Interlock extensions and shaft extensions

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Extension to 25 mm when ordering with basic unit	+ZAV(X1)+ZVV(X1)-T0/P3	254546	1	✓	P5	Rear mounting /Z

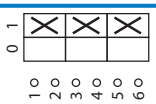


Photos are representative

Rear mounting dedicated accessories

Main switches accessories

Basic switches, Type P/XM

Front plate	Contact sequence	Number of poles	Rated current	Part number	Article number	Pack qty
 FS 908		3	25 A	P1-25/XM	172834	1
		3	32 A	P1-32/XM	172835	1
		3	40 A	P1-40/XM	199888	1
		3	63 A	P3-63/XM	172836	1
		3	100 A	P3-100/XM	172837	1


172836

Accessories for P/XM Switch-disconnectors

K-Line handles

Description	Suitable for	Colour	Locking mechanism	Part number	Article number	Pack qty	Feature
Knob	P1	Blue	Padlockable	K1DB/P	1818029	1	Knobs and handles provide door interlock when in the ON position and also when locked in the OFF position. The door interlock can also be defeated in the ON position by using a special tool. Lockable with up to 2 x 6 mm padlocks or cylinder locks
Knob	P1	Red/Yellow	Padlockable	K1DR/P	1818030	1	
Knob	P1	Grey	Padlockable	K1DG/P	1818031	1	
Knob	P3	Blue	Padlockable	K2SDB/P	1818032	1	
Knob	P3	Red/Yellow	Padlockable	K2SDR/P	1818033	1	
Knob	P3	Grey	Padlockable	K2SDG/P	1818034	1	
Knob	P3	Blue	Cylinder lock/key	K2SDB/C	1818038	1	
Knob	P3	Red/Yellow	Cylinder lock/key	K2SDR/C	1818039	1	
Knob	P3	Grey	Cylinder lock/key	K2SDG/C	1818040	1	


1818029


1818033

Black knobs and lockable main switch handles

Description	Suitable for	Colour	Part number	Article number	Pack qty	Feature
Knob	P1	Black	KNB-P1/M	172838	1	Door interlocked when in the ON position
Knob	P3	Black	KNB-P3/M	172839	1	
Lockable main switch handle	P1	Red/Yellow	SVB-P1/M	172840	1	Can be locked in the OFF position with up to 3 x 8 mm padlocks
Lockable main switch handle	P3	Red/Yellow	SVB-P3/M	172841	1	
Lockable main switch handle	P1	Black	SVB-SW-P1/M	172842	1	
Lockable main switch handle	P3	Black	SVB-SW-P3/M	172843	1	


172839

Metal shafts

Length	Part number	Article number	Pack qty
400 mm	P1/P3-M400	172844	10
600 mm	P1/P3-M600	172845	10


172844

Photos are representative

Rear mounting dedicated accessories

IP65 Insulated enclosures

Description	Number of contact units	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
IP65 insulated enclosure - With push-through cable entry diaphragm*	1-2	CI-K1-T0-2	207435	1	X	T0	Rear mounting /Z
	3-4	CI-K1-T0-4	207436	1	X		
	1-2	CI-K2-T3-2	207437	1	✓	T3	Rear mounting /Z
	3-4	CI-K2-T3-4	225325	1	✓		
	5	CI-K2-T3-5	207438	1	✓		
IP65 insulated enclosure - With metric knockouts	1-2	CI-K1H-T0-2	105854	1	X	T0	Rear mounting /Z
	3-4	CI-K1H-T0-4	105855	1	X		
	1-2	CI-K2H-T3-2	269462	1	X	T3	Rear mounting /Z
	3-4	CI-K2H-T3-4	105859	1	X		
	5	CI-K2H-T3-5	105860	1	X		
	3-4	CI-K4-T5B-4**	207440	1	✓	T5B	Rear mounting /Z
	1-2	CI-K5-T5-2**	207441	1	✓	T5	Rear mounting /Z
	3-4	CI-K5-T5-4**	207442	1	✓		

* The diaphragm can be pierced with the cable. 1 contact unit = 2 contacts.

** For converting T5../Z into T5-../I5 and T5B-../E into T5B-.../I4, order AW-T5-... extension terminal additionally. 1 contact unit = 2 contacts



207435 / 207436
105855 /



207437 / 269462
105859 / 105860



225325



207438



105854



207440

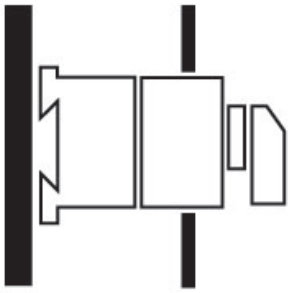


207441

Product standards	UL 60947-4-1, CSA - C22-.2 No 14-05, CSA - C22-2 No 94 IEC/EN 60947-3, CE Marking
UL File No	E54120
UL CCN	MITW2
CSA File No	12528
CSA Class No	3211-07
NA Certification	UL Listed, CSA Certified
Degree of protection	IEC: IP65 UL/CSA Type 1, 3R, 4X, 12, 13 - indoor and outdoor use

Photos are representative

Service distribution board mounting switch-disconnectors





T0 Service distribution board mounting



T0 Service distribution board mounting

Description

Service distribution board switch-disconnectors can be easily installed directly onto the DIN-Rail inside the distribution board enclosure.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 10 A to 100 A

Features

- Available with or without emergency switching off/emergency stop function
- Available with and without auxiliary contacts
- Available with red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole options

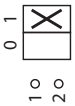
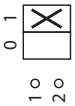
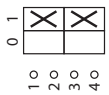
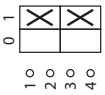
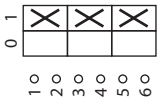
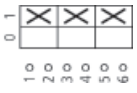
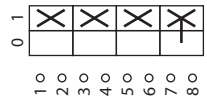
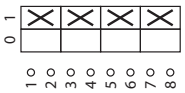
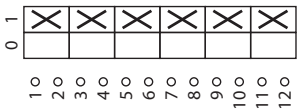
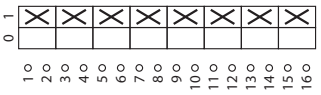
Photos are representative

Service distribution board mounting - Range overview

Rated current	10 A	20 A	25 A	32 A	40 A	63 A	100 A
On-Off switch-disconnectors		T0	P1	P1	P1	P3	P3
Without auxiliary contacts		✓	✓	✓	✓	✓	✓
With auxiliary contacts		✓					
Changeover swtich-disconnectors		T0					
Without auxiliary contacts		✓					
Coding switch-disconnectors		T0					
Without auxiliary contacts		✓					
Heater switch-disconnectors		T0					
Without auxiliary contacts		✓					
Manual/auto switch-disconnectors	TM	T0					
Without auxiliary contacts	✓	✓					
Multi speed switch-disconnectors		T0					
Without auxiliary contacts		✓					
Reversing switch-disconnectors		T0					
Without auxiliary contacts		✓					
Selector switch-disconnectors		T0					
Without auxiliary contacts		✓					
Star delta switch-disconnectors		T0					
Without auxiliary contacts		✓					
Step switch-disconnectors		T0					
Without auxiliary contacts		✓					
Universal switch-disconnectors		T0					
Without auxiliary contacts		✓					

Service distribution board mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/IVS	074471	1	✓	X
 FS 415		1	20 A	T0-1-15401/IVS	045973	1	✓	X
 FS 908		2	20 A	T0-1-102/IVS	015147	1	✓	X
 FS 415		2	20 A	T0-1-15402/IVS	060211	1	✓	X
 FS 908		3	20 A	T0-2-1/IVS	031758	1	✓	X
			25 A	P1-25/IVS	052962	1	✓	X
			32 A	P1-32/IVS	093303	1	✓	X
			40 A	P1-40/IVS	199931	1	X	X
			63 A	P3-63/IVS	041099	1	✓	X
			100 A	P3-100/IVS	081439	1	✓	X
 FS 415		3	20 A	T0-2-15403/IVS	074449	1	✓	X
 FS 908		3 + N	20 A	T0-2-8900/IVS	207403	1	✓	X
			25 A	P1-25/IVS/N	083964	1	✓	X
			32 A	P1-32/IVS/N	010402	1	✓	X
			40 A	P1-40/IVS/N	199933	1	X	X
			63 A	P3-63/IVS/N	022267	1	✓	X
			100 A	P3-100/IVS/N	034132	1	✓	X
		4	20 A	T0-2-1540/IVS	088687	1	✓	X
		6	20 A	T0-3-8342/IVS	050743	1	✓	X
		8	20 A	T0-4-8344/IVS	014006	1	✓	X



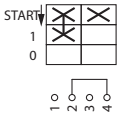
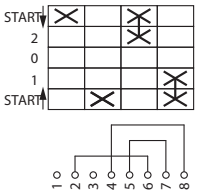
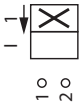
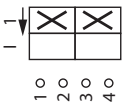
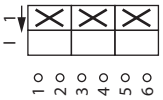


050743

Photo is representative

Service distribution board mounting - On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return in START position								
 FS 147767		1	20 A	T0-1-15511/IVS	026994	1	✓	X
 FS 140660		2	20 A	T0-2-8177/IVS	022249	1	✓	X
Automatic (spring) return from position 1								
 FS 4721		1	20 A	T0-1-15321/IVS	093436	1	✓	X
		2	20 A	T0-1-15322/IVS	017501	1	✓	X
		3	20 A	T0-2-15323/IVS	031739	1	✓	X

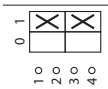
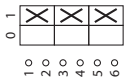
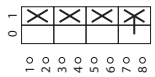


026994

Photo is representative

Service distribution board mounting - On-Off switch-disconnectors without auxiliary contacts

With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/IVS-RT	081956	1	✓	X
		2	20 A	T0-1-102/IVS-RT	079583	1	✓	X
		3	20 A	T0-2-1/IVS-RT	084329	1	✓	X
			25 A	P1-25/IVS-RT	013140	1	✓	X
			32 A	P1-32/IVS-RT	022632	1	✓	X
			40 A	P1-40/IVS-RT	199935	1	X	X
			63 A	P3-63/IVS-RT	045845	1	✓	X
			100 A	P3-100/IVS-RT	086185	1	✓	X
		3-N	20 A	T0-2-8900/IVS-RT	207404	1	✓	X

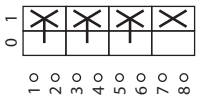
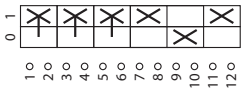
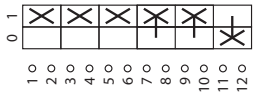
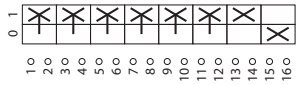


084329

Photo is representative

Service distribution board mounting - On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/IVS	036506	1	✓	X
		3	2	1	20 A	T0-3-15683/IVS	016722	1	✓	X
		3+N	1	1	20 A	T0-3-8901/IVS	231940	1	✓	X
		6	1	1	20 A	T0-4-15682/IVS	017524	1	✓	X



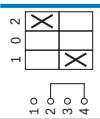
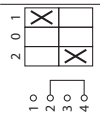
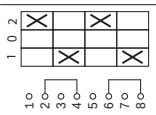
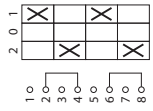
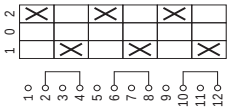
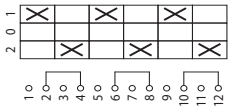
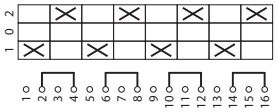
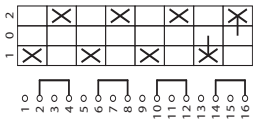
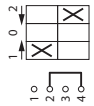
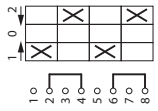
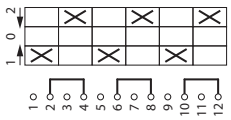


231940

Photo is representative

Service distribution board mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 684		1	20 A	T0-1-8210/IVS	074440	1	✓	X
 FS 429		1	20 A	T0-1-15421/IVS	012752	1	✓	X
 FS 684		2	20 A	T0-2-8211/IVS	076813	1	✓	X
 FS 429		2	20 A	T0-2-15422/IVS	026990	1	✓	X
 FS 684		3	20 A	T0-3-8212/IVS	079186	1	✓	X
 FS 429		3	20 A	T0-3-15423/IVS	041228	1	✓	X
 FS 684		4	20 A	T0-4-8213/IVS	081559	1	✓	X
 FS 953		4	20 A	T0-4-8294/IVS	043594	1	✓	X
 FS 4011		1	20 A	T0-1-8214/IVS	045967	1	✓	X
		2	20 A	T0-2-8215/IVS	048340	1	✓	X
		3	20 A	T0-3-8216/IVS	050713	1	✓	X

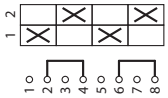
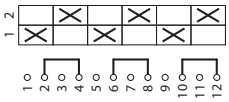
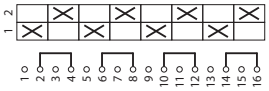
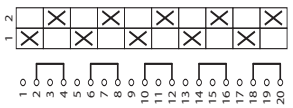
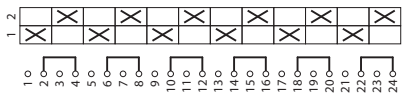
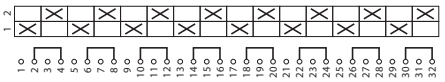



079186

Photo is representative

Service distribution board mounting - Changeover switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Two way switch-disconnector without the 0 (OFF) position								
 FS 943		1	20 A	T0-1-8220/IVS	055459	1	✓	X
		2	20 A	T0-2-8221/IVS	057832	1	✓	X
		3	20 A	T0-3-8222/IVS	060205	1	✓	X
		4	20 A	T0-4-8223/IVS	062578	1	✓	X
		5	20 A	T0-5-8369/IVS	064951	1	✓	X
		6	20 A	T0-6-8370/IVS	067324	1	✓	X
		8	20 A	T0-8-8372/IVS	069697	1	✓	X

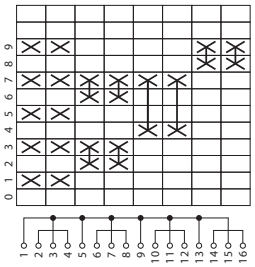


064951

Photo is representative

Service distribution board mounting - Coding switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With complete rotation in both directions - Binary BCD Code							
 FS 312		20 A	T0-4-15602/IVS	036487	1	✓	X



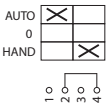
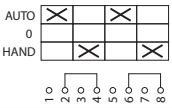
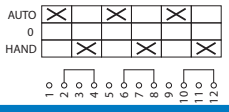
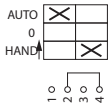
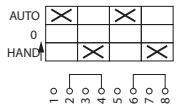
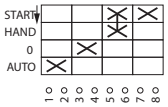
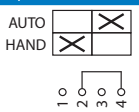
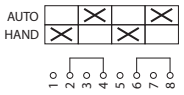
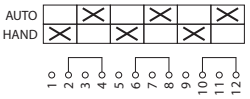
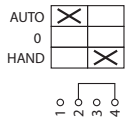


036487

Photo is representative

Service distribution board mounting - Manual/auto switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 1401		1	20 A	T0-1-15431/IVS	026991	1	✓	X
		2	20 A	T0-2-15432/IVS	041229	1	✓	X
		3	20 A	T0-3-15433/IVS	055467	1	✓	X
With Automatic (spring) return from HAND								
 FS 1414000		1	20 A	T0-1-15434/IVS	069705	1	✓	X
		2	20 A	T0-2-15435/IVS	003195	1	✓	X
With Automatic (spring) return from START								
 FS 1413890		2	20 A	T0-2-15907/IVS	076423	1	✓	X
Without 0 (Off) position								
 FS 19334		1	20 A	T0-1-15451/IVS	083943	1	✓	X
		2	20 A	T0-2-15452/IVS	098181	1	✓	X
		3	20 A	T0-3-15453/IVS	022246	1	✓	X
60° with a white thumb grip and front plate								
 F 085		1	10 A	TM-1-15431/IVS	225342	1	✓	X



022246

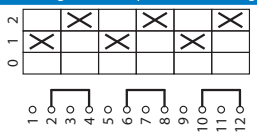
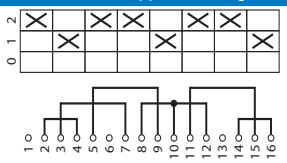
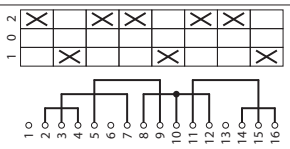


225342

Photos are representative

Service distribution board mounting - Multi speed switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/IVS	026985	1	✓	X
2 speed, 2 directions, for one tapped winding								
 FS 644		3	20 A	T0-4-8440/IVS	029358	1	✓	X
 FS 684		3	20 A	T0-4-8441/IVS	031731	1	✓	X



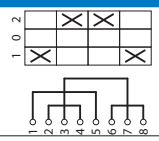
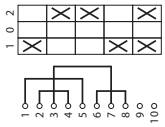
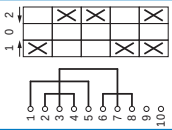
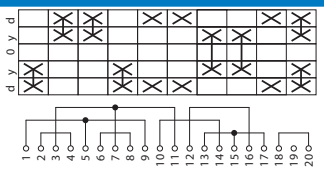
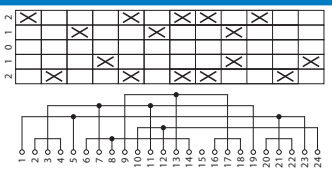


031731

Photo is representative

Service distribution board mounting - Reversing switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switch-disconnectors - Without Automatic (spring) return to 0 (Off) position								
 FS 684		2	20 A	T0-2-8400/IVS	060198	1	✓	X
		3	20 A	T0-3-8401/IVS	098166	1	✓	X
Reversing switch-disconnectors - With Automatic (spring) return from both directions to 0 (Off position)								
 FS 4011		3	20 A	T0-3-8228/IVS	062572	1	✓	X
Reversing star delta - Two-way operating direction								
 FS 638		3	20 A	T0-5-15876/IVS	000902	1	✓	X
Reversing switch-disconnectors - 2 speed, 2 directions, for one tapped winding								
 FS 629		3	20 A	T0-6-15866/IVS	036477	1	✓	X





036477



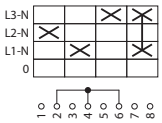
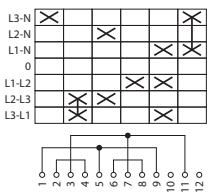
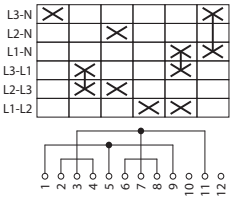
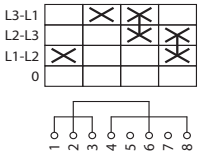
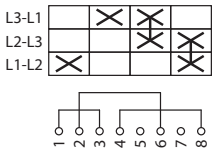


000902

Photos are representative

Service distribution board mounting - Selector switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter									
 FS 1410757		3 x phase-N with 0 position	3+N	20 A	T0-2-15921/IVS	074456	1	✓	X
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	3+N	20 A	T0-3-8007/IVS	012759	1	✓	X
 FS 164721		3 x phase-phase 3 x phase-N without 0 position with complete rotation in both directions	3+N	20 A	T0-3-15924/IVS	026997	1	✓	X
 FS 1410755		3 x phase-phase with 0 position	3+N	20 A	T0-2-15920/IVS	029452	1	✓	X
 FS 164854		3 x phase-phase without 0 position	3+N	20 A	T0-2-15922/IVS	060218	1	✓	X



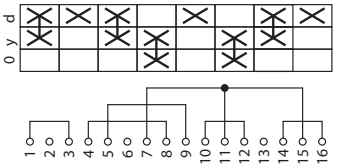


029452

Photo is representative

Service distribution board mounting - Star delta switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/IVS	064945	1	✓	X



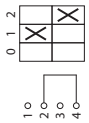
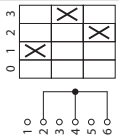
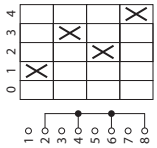
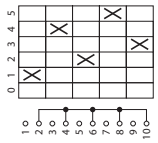
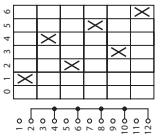
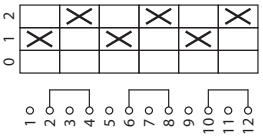
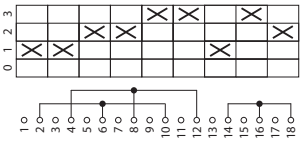
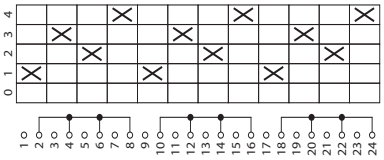


064945

Photo is representative

Service distribution board mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/IVS	027076	1	✓	X
 FS 420		1	20 A	T0-2-8241/IVS	057835	1	✓	X
 FS 422		1	20 A	T0-2-8242/IVS	074446	1	✓	X
 FS 424		1	20 A	T0-3-8243/IVS	088684	1	✓	X
 FS 426		1	20 A	T0-3-8244/IVS	012749	1	✓	X
 FS 418		3	20 A	T0-3-8280/IVS	041225	1	✓	X
 FS 420		3	20 A	T0-5-8281/IVS	055463	1	✓	X
 FS 422		3	20 A	T0-6-8282/IVS	069701	1	✓	X



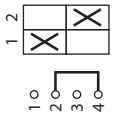
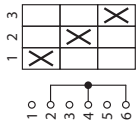
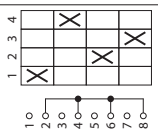
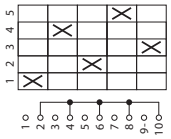
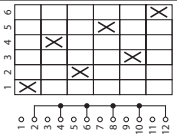
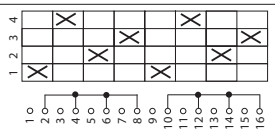
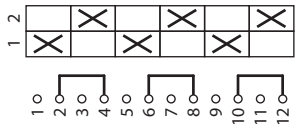
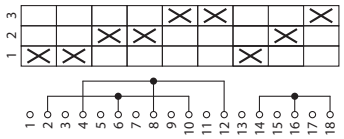
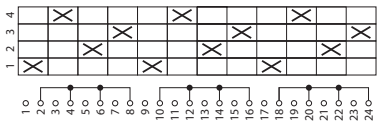


041225

Photo is representative

Service distribution board mounting - Step switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (Off) position								
 FS 943		1	20 A	T0-1-8220/IVS	055459	1	✓	X
 FS 404		1	20 A	T0-2-8230/IVS	095804	1	✓	X
 FS 606		1	20 A	T0-2-8231/IVS	019869	1	✓	X
 FS 408		1	20 A	T0-3-8232/IVS	034107	1	✓	X
 FS 410		1	20 A	T0-3-8233/IVS	048345	1	✓	X
 FS 406		2	20 A	T0-3-8251/IVS	013974	1	✓	X
 FS 943		3	20 A	T0-3-8222/IVS	060205	1	✓	X
 FS 404		3	20 A	T0-5-8270/IVS	098178	1	✓	X
 FS 406		3	20 A	T0-6-8271/IVS	022243	1	✓	X

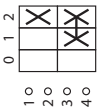


022243

Photo is representative

Service distribution board mounting - Step switch-disconnectors for heating

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Number of poles N/O	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 614		20 A	1	T0-1-91/IVS	079201	1	✓	X

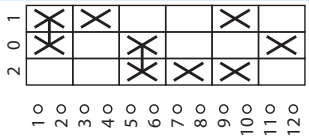
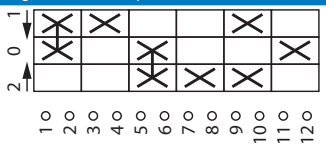


079201

Photo is representative

Service distribution board mounting - Universal control switch-disconnectors

Without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Maintained switches with 3 positions 1 Contact closed in each position - Additionally 1 contact closed in position 0 and 1 - Additionally 1 contact closed in position 0 and 2 - Additionally 1 contact closed in position 0 and 3							
 FS 429		20 A	T0-3-15391/IVS	036484	1	✓	X
Automatic (spring) return from positions 1 and 2							
 FS 458		20 A	T0-3-15394/IVS	079198	1	✓	X





079198

Photo is representative

Service distribution board mounting dedicated accessories

Retrofitting front plate

- For retrofitting Service distribution board mounting T0../IVS design. Use the basic switch's front plate
- Including push-in shaft

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Service distribution board mounting accessory	IVS-T0	091114	1	✓	T0	Service distribution board /IVS



Neutral terminal

- Early-make on switching, late-break off switching
- The N contact always behaves as an early-make contact when switching on and as a late-break contact when switching off.
- N-P1(P3)... switching capacity same as for contacts P1(P3)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Switched neutral	N-P1Z	000652	5	✓	P1	Service distribution board /IVS
	N-P3Z	064805	5	✓	P3	Service distribution board /IVS



000652

Auxiliary contacts

- 1 normally open (N/O), 1 normally close contact (N/C)
- Late-break contact on switching, early-make off switching. The N/O is always connected as a load-shedding contac

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Auxiliary contacts	H111-P1/P3Z	062031	5	✓	P1	Service distribution board /IVS
					P3-63 and P3-100	Service distribution board /IVS



062031

Key operated lock mechanism

For ordering with base switch unit

Part number	Article number	Key withdrawable in position
Micromec lock 90° switch angle		
+IVS/S-A	232034	0°
+IVS/S-B	232036	270°
+IVS/S-E	232040	0° + 90°
+IVS/S-F	232038	270° & 0°
+IVS/S-G	232043	270° + 0° + 90° + 180°
+IVS/S-R	232042	270° + 0° + 90°

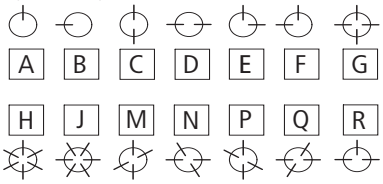


Key operation lock mechanism, including 2 keys.

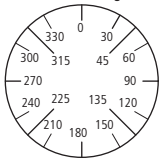
The key can only be removed in certain positions; see diagram.
The MICROMEC lock for 90° can be used for other switching angles as well if the key withdrawability characteristics match the type of switch.

Example: +IVS/S-B can be used with a step switch with a switching angle of 30° if the key is only to be withdrawable in the 0 position at 270°.

Options for key withdrawal

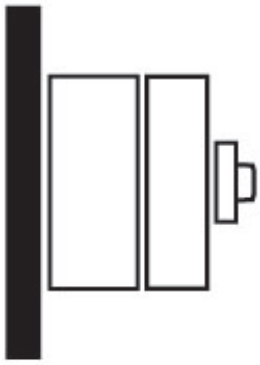


Position marking as in example



Photos are representative

Enclosed switch-disconnectors





P1 Switch-disconnector fitted in a Ci-K Polycarbonate enclosure



T3 Switch-disconnector fitted in a steel enclosure

Description

Enclosed switch-disconnectors can be installed alongside traditional panels and assemblies, or as a standalone unit for external applications (such as HVAC systems) with robust ingress protection.

Standards/Approvals

See details page 178

Technical data

- Voltage: 690 V a.c.
- Current: 20 A to 275 A

Features

- Available with or without emergency switching off/emergency stop function
- Available with and without auxiliary contacts
- Available with red rotary handle and yellow locking collar and black rotary handle and locking collar
- 1-pole to 8-pole options
- Ci-K enclosed units can be optionally ordered with a North American style variant, see details page 152

Soft and hard knockouts

Standard Ci-K enclosure have “soft knockouts” which utilises a soft puncturable cable membrane for connection of supply and load lines while maintaining ingress protection.

Hard knockouts are also referred to as metric knockouts, and are made of a solid plastic where the central retainer is “knocked out” from the enclosure, and a metric gable gland is used to secure the ingress of supply and load lines

An option of “hard knockouts” are available for some products as a standard selection, these can be identified within the part number by the inclusion of hte letter ‘H’ after the enclosure size, e.g. I1H or I2H. They can be requested, if the option is not stated in the catalogue, for enclosure sizes I1 and I2

Parts numbers for ordering the optional hard knockouts and associated cable glands can be found on page 151.

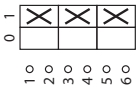
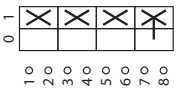
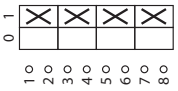
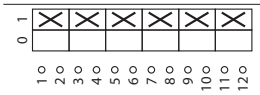
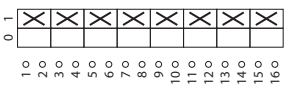
Photos are representative

Enclosed switch-disconnectors - Range overview

Rated current	20 A	25 A	32 A		40 A	63 A		95 A	100 A		160 A	275 A
On-Off switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B		P3	T5		
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓		
With auxiliary contacts	✓	✓	✓	✓	✓		✓			✓		
Main switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	T5	P3	T5	T6	T8
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓			
With auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
Changeover swtich-disconnectors	T0			T3			T5B			T5		
Without auxiliary contacts	✓			✓			✓			✓		
Coding switch-disconnectors	T0											
Without auxiliary contacts	✓											
Heater switch-disconnectors	T0											
Without auxiliary contacts	✓											
Manual/auto switch-disconnectors	T0											
Without auxiliary contacts	✓											
Multi speed switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Reversing switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Safety switch-disconnectors		P1	P1		P1	P3	T5B		P3	T5		
With auxiliary contacts		✓	✓		✓	✓	✓		✓	✓		
Selector switch-disconnectors	T0											
Without auxiliary contacts	✓											
Star delta switch-disconnectors	T0			T3			T5B					
Without auxiliary contacts	✓			✓			✓					
Step switch-disconnectors	T0											
Without auxiliary contacts	✓											
Universal switch-disconnectors	T0											
Without auxiliary contacts	✓											

Enclosed - On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1	207074	1	X	X
			32 A	T3-1-8200/I2	207167	1	✓	X
			63 A	T5B-1-8200/I4	207218	1	✓	X
		2	20 A	T0-1-102/I1	207061	1	X	X
			32 A	T3-1-102/I2	207165	1	✓	X
			63 A	T5B-1-102/I4	207215	1	✓	X
		3	20 A	T0-2-1/I1	207081	1	X	X
			20 A	T0-2-15403/I1	207088	1	X	X
			25 A	P1-25/I2	207299	1	✓	X
			25 A	P1-25/I2H	226898	1	X	X
			32 A	P1-32/I2	207320	1	✓	X
			32 A	P1-32/I2H	227866	1	X	X
			40 A	P1-40/I2	199906	1	X	X
			40 A	P1-40/I2H	199915	1	X	X
			63 A	P3-63/I4	207356	1	✓	X
			100 A	P3-100/I5	207381	1	✓	X
		3 + N	20 A	T0-2-8900/I1	207109	1	X	X
			25 A	P1-25/I2/N	207303	1	✓	X
			25 A	P1-25/I2H/N	226901	1	X	X
			32 A	P1-32/I2/N	207324	1	✓	X
			32 A	P1-32/I2H/N	227869	1	X	X
			40 A	P1-40/N	199908	1	X	X
			40 A	P1-40/I2H/N	199921	1	X	X
			63 A	P3-63/I4/N	207360	1	✓	X
			100 A	P3-100/I5/N	207385	1	✓	X
		4	20 A	T0-2-1540-I1	207089	1	X	X
		6	20 A	T0-3-8342/I1	207131	1	X	X
			32 A	T3-3-8342/I2	207187	1	✓	X
			63 A	T5B-3-8342/I4	207226	1	✓	X
		8	20 A	T0-4-8344/I1	207139	1	X	X
			32 A	T3-4-8344/I2	207194	1	✓	X
			63 A	T5B-3-8344/I4	207233	1	✓	X

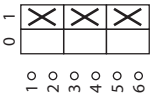
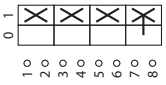
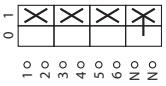
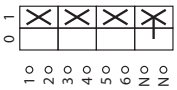
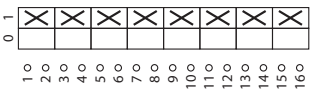
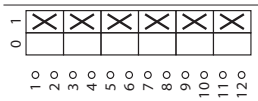


226898

Photo is representative

Enclosed - On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosures specifications Size	Handle colour	Part number	Article number	Pack qty	Padlockable handle
 FS 908		1	20 A	SE1	Black	T0-1-8200/SE1	197383	1	X
		2	20 A	SE1	Black	T0-1-102/SE1	197379	1	X
		3	20 A	SE1	Black	T0-2-1/SE1	197376	1	X
			25 A	SE1	Black	P1-25/SE1	197344	1	X
			32 A	SE1	Black	P1-32/SE1	197352	1	X
			40 A	SE1	Black	P1-40/SE1	199944	1	X
			63 A	SE3	Black	P3-63/SE3	197360	1	X
			100 A	SE3	Black	P3-100/SE3	197368	1	X
		4	20 A	SE1	Black	T0-2-8900/SE1	197420	1	X
		3 + N	25 A	SE1	Black	P1-25/SE1/N	197345	1	X
			32 A	SE1	Black	P1-32/SE1/N	197353	1	X
			40 A	SE1	Black	P1-40/SE1/N	199945	1	X
		4	63 A	SE3	Black	P3-63/SE3/N	197361	1	X
			100 A	SE3	Black	P3-100/SE3/N	197369	1	X
		6	20 A	SE1	Black	T0-3-8342/SE1	197408	1	X
			32 A	SE2	Black	T3-3-8342/SE1	197456	1	X
		8	20 A	SE2	Black	T0-4-8344/SE2	197411	1	X
		8	32 A	SE2	Black	T3-4-8344/SE2	197459	1	X

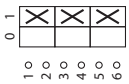
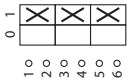
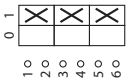


197379

Photo is representative

Enclosed - On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Pole N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Key operation lock mechanism ST-0 Key can only be withdrawn in position 0 (Pos A)								
 FS 908		2	20 A	T0-1-102/I1/S	207063	1	✓	X
With SVA Padlocking feature and two keys If the key is withdrawn in position 1 the switch can be switched off but not on again without the key Key can only be withdrawn in position 0 (Pos A)								
 FS 908		3	20 A	T0-2-1/I1/SVA(A)	207083	1	X	✓
		3	25 A	P1-25/I2/SVA(A)	207304	1	X	✓
		3	32 A	P1-32/I2/SVA(A)	207325	1	X	✓
Panic switch-disconnectors fitted with a SVA Cylinder lock Supplied with two keys If the key is withdrawn in position 1 the switch can be switched off but not on again without the key								
 FS 908		3	20 A	T0-2-1/I1/SVA(S)	207084	1	X	✓
		3	25 A	P1-25/I2/SVA(S)	207305	1	X	✓
		3	32 A	P1-32/I2/SVA(S)	207326	1	X	✓


207063

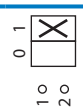
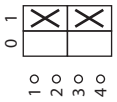
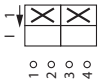
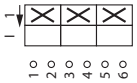
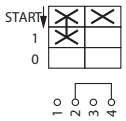
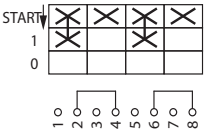
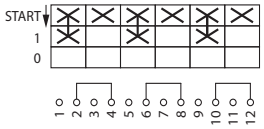
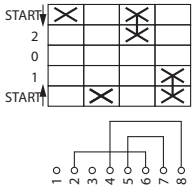

207304


207326

Photos are representative

Enclosed - On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 415		1	20 A	T0-1-15401/I1	207067	1	X	X
		2	20 A	T0-1-15402/I1	207068	1	X	X
With Automatic (spring) return from position 1								
 FS 4721		1	20 A	T0-1-15321/I1	207064	1	✓	X
		2	20 A	T0-1-15322/I1	207065	1	✓	X
		3	20 A	T0-2-15323/I1	207087	1	✓	X
With Automatic (spring) return in START position								
 FS 147767		1	20 A	T0-1-15511/I1	207073	1	✓	X
		2	20 A	T0-2-15512/I1	207093	1	✓	X
		3	20 A	T0-3-15513/I1	207117	1	✓	X
 FS 140660		2	20 A	T0-2-8177/I1	207101	1	✓	X



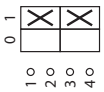
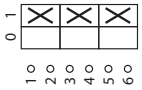
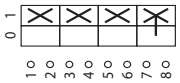
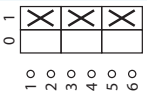
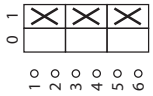


207087

Photo is representative

Enclosed - On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, with emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1/RT	207075	1	✓	X
		2	20 A	T0-1-102/I1-RT	207062	1	X	X
			32 A	T3-1-102/I2-RT	207166	1	✓	X
		3	20 A	T0-2-1/I1-RT	207082	1	X	X
			25 A	P1-25/I2-RT	207300	1	✓	X
			32 A	P1-32/I2-RT	207321	1	✓	X
			40 A	P1-40/I2-RT	199930	1	X	X
			63 A	P3-63/I4-RT	207357	1	✓	X
			100 A	P3-100/I5-RT	207382	1	✓	X
		3-N	20 A	T0-2-8900/I1-RT	207110	1	✓	X
Panic switch-disconnector fitted with SVC Padlocking feature Supplied with two keys*								
 FS 908 GE		3	20 A	T0-2-1/I1/SVC(S)-RT	207086	1	X	✓
		3	25 A	P1-25/I2/SVC(S)-RT	207307	1	X	✓
		3	32 A	P1-32/I2/SVC(S)-RT	207328	1	X	✓
Panic switch-disconnector fitted with a SVA Cylinder lock Supplied with two keys								
 FS 908 GE		3	20 A	T0-2-1/I1/SVA(S)-RT	207085	1	X	✓
		3	25 A	P1-25/I2/SVA(S)-RT	207306	1	X	✓

*Note: If the locking device is padlocked in position 1 the switch can be switched off but not on again without removing the padlock.
Lockable with max 3 padlocks


207062

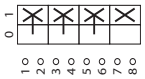
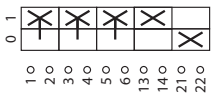
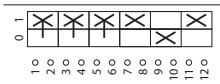
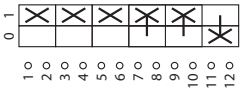
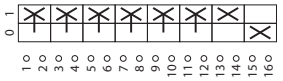

207086


207306

Photos are representative

Enclosed - On-Off switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/I1	207094	1	X	X
		3	1	1	25 A	P1-25-I2H/HI11	226899	1	X	X
					32 A	P1-32-I2H/HI11	227867	1	X	X
					40 A	P1-40-I2H/HI11	199916	1	X	X
		3	2	1	20 A	T0-3-15683/I1	207118	1	X	X
					32 A	T3-3-15683/I2	207182	1	✓	X
		3-N	1	1	20 A	T0-3-8901/I1	231941	1	X	X
					32 A	T3-3-8901/I2	231951	1	✓	X
		6	1	1	20 A	T0-4-15682/I1	207135	1	X	X
					32 A	T3-4-15682/I2	207190	1	✓	X
					63 A	T5B-4-15682/I4	207229	1	✓	X
					100 A	T5-4-15682/I5	207269	1	X	X

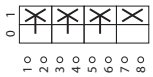
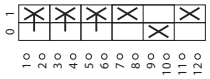
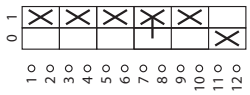
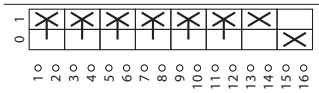


207190

Photo is representative

Enclosed - On-Off switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Padlockable handle
 FS 908		3	1	0	20 A	SE1	Black	T0-2-15679/SE1	197440	1	X
		3	2	1	20 A	SE1	Black	T0-3-15683/SE1	197449	1	X
					32 A	SE2	Black	T3-3-15683/SE2	197475	1	X
		4	1	1	20 A	SE1	Black	T0-3-15680/SE1	197443	1	X
		6	1	1	20 A	SE2	Black	T0-4-15682/SE2	197446	1	X
					32 A	SE2	Black	T3-4-15682/SE2	197472	1	X

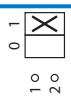
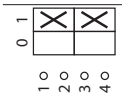
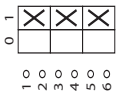
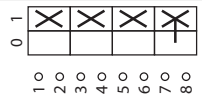
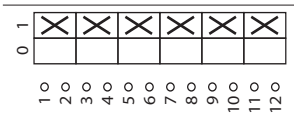
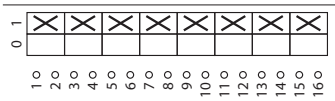


197446

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1/SVB-SW	207146	1	X	✓
			32 A	T3-1-8200/I2/SVB-SW	207201	1	✓	✓
			63 A	T5B-1-8200/I4/SVB-SW	207241	1	✓	✓
		2	20 A	T0-1-102/I1/SVB-SW	207144	1	X	✓
			32 A	T3-1-102/I2/SVB-SW	207199	1	✓	✓
			63 A	T5B-1-102/I4/SVB-SW	207239	1	✓	✓
		3	20 A	T0-2-1/I1/SVB-SW	207148	1	X	✓
			25 A	P1-25/I2/SVB-SW	207294	1	✓	✓
			25 A	P1-25/I2H/SVB-SW	227861	1	X	✓
			32 A	P1-32/I2/SVB-SW	207315	1	✓	✓
			32 A	P1-32/I2H/SVB-SW	227872	1	X	✓
			40 A	P1-40/I2/SVB-SW	199912	1	X	✓
			40 A	P1-40/I2H/SVB-SW	199925	1	X	✓
			63 A	P3-63/I4/SVB-SW	207344	1	✓	✓
			100 A	P3-100/I5/SVB-SW	207374	1	✓	✓
		3 + N	20 A	T0-2-8900/I1/SVB-SW	207152		X	✓
			25 A	P1-25/I2/SVB-SW/N	207296	1	✓	✓
			25 A	P1-25/I2H/SVB-SW/N	227863	1	X	✓
			32 A	P1-32/I2/SVB-SW/N	207317	1	✓	✓
			32 A	P1-32/I2H/SVB-SW/N	227874	1	X	✓
			32 A	P1-32/I2H/N	227869	1	X	✓
			40 A	P1-40/I2/SVB-SW/N	199914	1	X	✓
			40 A	P1-40/I2H/SVB-SW/N	199927	1	X	✓
			63 A	P3-63/I4/SVB-SW/N	207346	1	✓	✓
			100 A	P3-100/I5/SVB-SW/N	207376	1	✓	✓
		6	20 A	T0-3-8342/I1/SVB-SW	207160	1	X	✓
			32 A	T3-3-8342/I2/SVB-SW	207209	1	✓	✓
			63 A	T5B-3-8342/I4/SVB-SW	207243	1	✓	✓
			100 A	T5-3-8342/I5/SVB-SW	207280	1	X	✓
		8	20 A	T0-4-8344/I1/SVB-SW	207164	1	X	✓
			32 A	T3-4-8344/I2/SVB-SW	207213	1	✓	✓
			63 A	T5B-4-8344/I4/SVB-SW	207249	1	✓	✓
			95 A	T5-4-8344/I5/SVB-SW	207284	1	X	✓

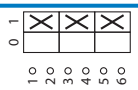
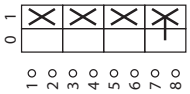
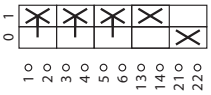


207239

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures with pre-assembled EMC screen, Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Padlockable handle
 FS 908		3	20 A	T0-2-1/I2H/MBS/SVB-SW	182426	✓
			63 A	P3-63/I4/MBS/SVB-SW	182422	✓
		3 + N	20 A	T0-2-8900/I2H/MBS/SVB-SW	182428	✓
		3	25 A	P1-25/I2H/MBS/SVB-SW	182414	✓
			32 A	P1-32/I2H/MBS/SVB-SW	182418	✓
			40 A	P1-40/I2H/MBS/SVB-SW	199919	✓

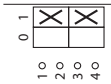
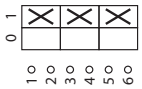
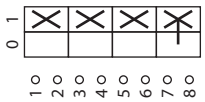
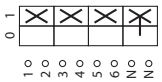
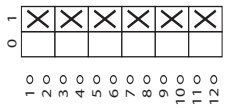
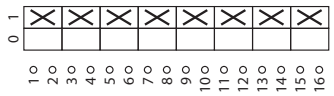
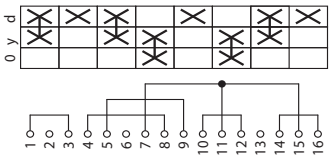


182428

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Suitable for export to North America and Canada
 FS 908		1	20 A	SE1	Black	T0-1-8200/SE1/SVB-SW	197385	1	X
		2	20 A	SE1	Black	T0-1-102/SE1/SVB-SW	197381	1	X
		3	20 A	SE1	Black	T0-2-1/SE1/SVB-SW	197378	1	X
			25 A	SE1	Black	P1-25/SE1/SVB-SW	197349	1	X
			32 A	SE1	Black	P1-32/SE1/SVB-SW	197357	1	X
			40 A	SE1	Black	P1-40/SE1/SVB-SW	199949	1	X
			63 A	SE3	Black	P3-63/SE3/SVB-SW	197365	1	X
			100 A	SE3	Black	P3-100/SE3/SVB-SW	197373	1	X
		4	20 A	SE1	Black	T0-2-8900/SE1/SVB-SW	197422	1	X
									X
		3 + N	25 A	SE1	Black	P1-25/SE1/SVB-SW/N	197351	1	X
			32 A	SE1	Black	P1-32/SE1/SVB-SW/N	197359	1	X
			40 A	SE1	Black	P1-40/SE1/SVB-SW/N	199951	1	X
		4	63 A	SE3	Black	P3-63/SE3/SVB-SW/N	197367	1	X
			100 A	SE3	Black	P3-100/SE3/SVB-SW/N	197375	1	X
		6	20 A	SE1	Black	T0-3-8342/SE1/SVB-SW	197410	1	X
			32 A	SE2	Black	T3-3-8342/SE1/SVB-SW	197458	1	X
		8	20 A	SE2	Black	T0-4-8344/SE2/SVB-SW	197413	1	X
 FS 635		8	32 A	SE2	Black	T3-4-8344/SE2/SVB-SW	197461	1	X

Note: All the SVB-SW handles are padlockable

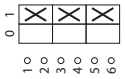
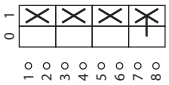
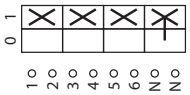
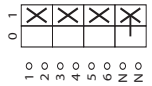
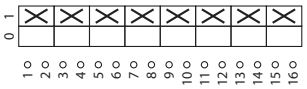


197422

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1/SVB	207145	1	X	✓
			32 A	T3-1-8200/I2/SVB	207200	1	✓	✓
			63 A	T5B-1-8200/I4/SVB	207240	1	✓	✓
		2	20 A	T0-1-102/I1/SVB	207143	1	X	✓
			32 A	T3-1-102/I2/SVB	207198	1	X	✓
			63 A	T5B-1-102/I4/SVB	207238	1	✓	✓
			100 A	T5-1-102/I5/SVB	207273	1	X	✓
		3	20 A	T0-2-1/I1/SVB	207147	1	X	✓
			25 A	P1-25/I2/SVB	207293	1	✓	✓
			25 A	P1-25/I2H/SVB	226900	1	X	✓
			32 A	P1-32/I2/SVB	207314	1	✓	✓
			32 A	P1-32/I2H/SVB	227868	1	✓	✓
			40 A	P1-40/I2/SVB	199909	1	X	✓
			40 A	P1-40/I2H/SVB	199922	1	X	✓
			63 A	P3-63/I4/SVB	207343	1	✓	✓
			100 A	P3-100/I5/SVB	207373	1	✓	✓
		3 + N	20 A	T0-2-8900/I1/SVB	207151	1	X	✓
		3 + N	25 A	P1-25/I2/SVB/N	207298	1	✓	✓
			25 A	P1-25/I2H/SVB/N	227860	1	X	✓
			32 A	P1-32/I2/SVB/N	207319	1	✓	✓
			32 A	P1-32/I2H/SVB/N	227871	1	X	✓
			40 A	P1-40/I2/SVB/N	199911	1	X	✓
			40 A	P1-40/I2H/SVB/N	199924	1	X	✓
			63 A	P3-63/I4/SVB/N	207349	1	✓	✓
			100 A	P3-100/I5/SVB/N	207379	1	✓	✓
		6	20 A	T0-3-8342/I1/SVB	207159	1	X	✓
			32 A	T3-3-8342/I2/SVB	207208	1	✓	✓
			63 A	T5B-3-8342/I4/SVB	207242	1	✓	✓
			100 A	T5-3-8342/I5/SVB	207279	1	X	✓
		8	20 A	T0-4-8344/I1/SVB	207163	1	X	✓
			32 A	T3-4-8344/I2/SVB	207212	1	✓	✓
			63 A	T5B-4-8344/I4/SVB	207248	1	✓	✓
			95 A	T5-4-8344/I5/SVB	207283	1	X	✓

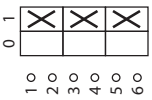
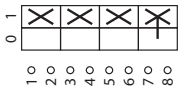
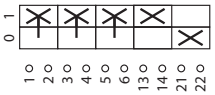
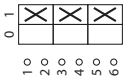


207283

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures with pre-assembled EMC screen, With emergency switch off/ emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack quantity	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	20 A	T0-2-1/I2H/MBS/SVB	182425	1	X	✓
		3 + N	20 A	T0-2-8900/I2H/MBS/SVB	182427	1	X	✓
		3	25 A	P1-25/I2H/MBS/SVB	182413	1	X	✓
			32 A	P1-32/I2H/MBS/SVB	182417	1	X	✓
			40 A	P1-40/I2H/MBS/SVB	199917	1	X	✓
		3	63 A	P3-63/I4/MBS/SVB	182421	1	X	✓

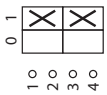
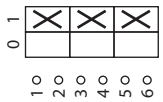
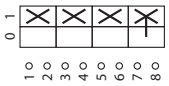
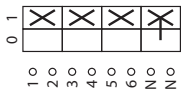
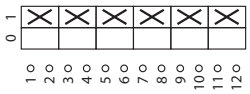
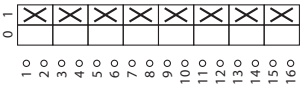


182421

Photo is representative

Enclosed - Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in steel enclosure With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosure specification: Size	Steel enclosure specification: Handle colour	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canata
 FS 908		1	20 A	SE1	Red	T0-1-8200/SE1/SVB	197384	1	X
		2	20 A	SE1	Red	T0-1-102/SE1/SVB	197380	1	X
		3	20 A	SE1	Red	T0-2-1/SE1/SVB	197377	1	X
			25 A	SE1	Red	P1-25/SE1/SVB	197346	1	X
			32 A	SE1	Red	P1-32/SE1/SVB	197354	1	X
			40 A	SE1	Red	P1-40/SE1/SVB	199946	1	X
			63 A	SE3	Red	P3-63/SE3/SVB	197362	1	X
			100 A	SE3	Red	P3-100/SE3/SVB	197370	1	X
		4	20 A	SE1	Red	T0-2-8900/SE1/SVB	197421	1	X
		3 + N	25 A	SE1	Red	P1-25/SE1/SVB/N	197348	1	X
			32 A	SE1	Red	P1-32/SE1/SVB/N	197356	1	X
			40 A	SE1	Red	P1-40//SE1/SVB/N	199948	1	X
		4	63 A	SE3	Red	P3-63/SE3/SVB/N	197364	1	X
			100 A	SE3	Red	P3-100/SE3/SVB/N	197372	1	X
		6	20 A	SE1	Red	T0-3-8342-SE1/SVB	197409	1	X
			32 A	SE2	Red	T3-3-8342/SE2/SVB	197457	1	X
		8	20 A	SE2	Red	T0-4-8344/SE2/SVB	197412	1	X
			32 A	SE2	Red	T3-4-8344/SE2/SVB	197460	1	X

Note: All the SVB handles are padlockable

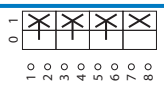
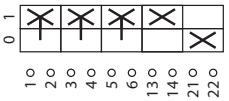
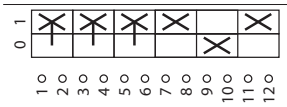
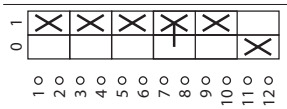
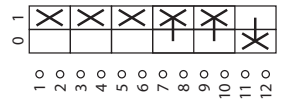
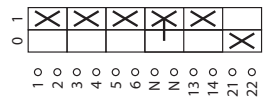
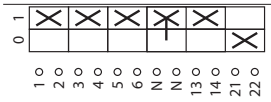
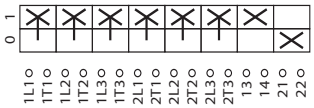
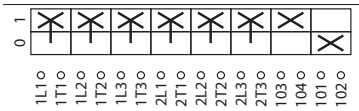


197460

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada
 FS 908		3	1	0	20 A	T0-2-15679/I1/SVB-SW	207150	1	X
		3	1	1	25 A	P1-25/I2/SVB-SW/HI11	207295	1	✓
					25 A	P1-25/I2H/SVB-SW/HI11	227862	1	X
					25 A	P1-25/I2H/SVB/HI11	226902	1	X
					32 A	P1-32/I2/SVB-SW/HI11	207316	1	✓
					32 A	P1-32/I2H/SVB-SW/HI11	227873	1	X
					40 A	P1-40/I2/SVB-SW/HI11	199913	1	X
					40 A	P1-40/I2H/SVB-SW/HI11	199926	1	X
					63 A	P3-63/I4/SVB-SW/HI11	207345	1	✓
					100 A	P3-100/I5/SVB-SW/HI11	207375	1	✓
		3	2	1	20 A	T0-3-15683/I1/SVB-SW	207158	1	X
					32 A	T3-3-15683/I2/SVB-SW	207207	1	✓
		3 + N	1	1	20 A	T0-3-15680/I1/SVB-SW	207154	1	X
					32 A	T3-3-15680/I2/SVB-SW	207203	1	✓
		3 + N	1	1	20 A	T0-3-8901/I1/SVB-SW	231935	1	X
					32 A	T3-3-8901/I2/SVB-SW	218988	1	✓
					63 A	T5B-3-8901/I4/SVB-SW	207245	1	✓
					100 A	T5-3-8901/I5/SVB-SW	207278	1	X
		3 + N	1	1	63 A	P3-63/I4/SVB-SW/N/HI11	207347	1	✓
					100 A	P3-100/I5/SVB-SW/N/HI11	207377	1	✓
		6	1	1	20 A	T0-4-15682/I1/SVB-SW	207162	1	X
					32 A	T3-4-15682/I2/SVB-SW	207211	1	✓
					63 A	T5B-4-15682/I4/SVB-SW	207247	1	✓
					100 A	T5-4-15682/I5/SVB-SW	207282	1	X
		6	1	1	160 A	T6-160-6/I45/SVB-SW/HI11*	201447	1	X
		6	1	1	275 A	T8-3-8342/I48/SVB-SW/HI11*	201449	1	X

* Enclosure without flanges with K95/1N*BR

Note: All the SVB-SW handles are padlockable

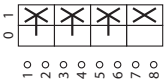
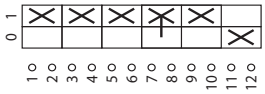
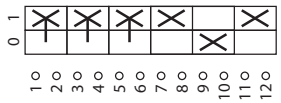
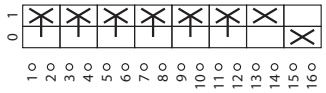
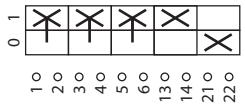
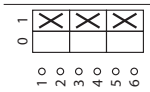


207211

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures with pre-assembled EMC screen, Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Padlokable handle
 FS 908			1		20 A	T0-2-15679/I2H/MBS/SVB-SW	182430	✓
			1	1	20 A	T0-3-15680/I2H/MBS/SVB-SW	182432	✓
			2	1	20 A	T0-3-15683/I2H/MBS/SVB-SW	182434	✓
			1	1	20 A	T0-4-15682/I2H/MBS/SVB-SW	182436	✓
			1	1	25 A	P1-25/I2H/MBS/SVB-SW/HI11	182416	✓
					32 A	P1-32/I2H/MBS/SVB-SWHI11	182420	✓
					40 A	P1-40/I2H/MBS/SVB-SWHI11	199920	✓
			1	1	63 A	P3-63/I4/MBS/SVB-SW/HI11	182424	✓

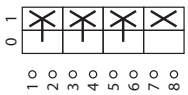
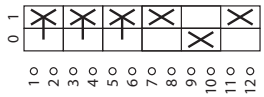
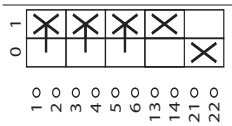
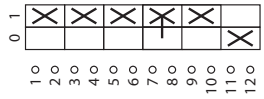
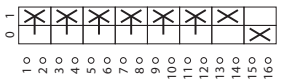


182432

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Suitable for export to North America and Canada
 FS 908		3	1	0	20 A	SE1	Black	T0-2-15679/SE1/SVB-SW	197442	1	X
		3	2	1	20 A	SE1	Black	T0-3-15683/SE1/SVB-SW	197451	1	X
					32 A	SE2	Black	T3-3-15683/SE2/SVB-SW	197477	1	X
		3	1	1	25 A	SE1	Black	P1-25/SE1/SVB-SW/HI11	197350	1	X
					32 A	SE1	Black	P1-32/SE1/SVB-SW/HI11	197358	1	X
					40 A	SE1	Black	P1-40/SE1/SVB-SW/HI11	199950	1	X
					63 A	SE3	Black	P3-63/SE3/SVB-SW/HI11	197366	1	X
					100 A	SE3	Black	P3-100/SE3/SVB-SW/HI11	197374	1	X
		4	1	1	20 A	SE1	Black	T0-3-15680/SE1/SVB-SW	197445	1	X
		6	1	1	20 A	SE2	Black	T0-4-15682/SE2/SVB-SW	197448	1	X
					32 A	SE2	Black	T3-4-15682/SE2/SVB-SW	197474	1	X

Note: All the SVB-SW handles are padlockable

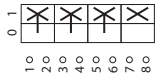
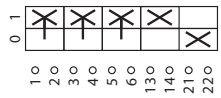
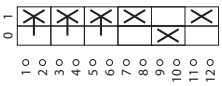
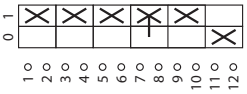
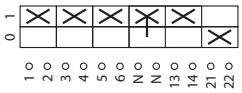
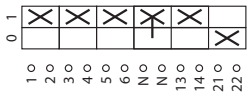
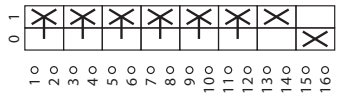
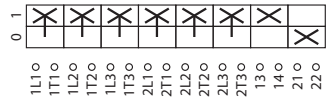
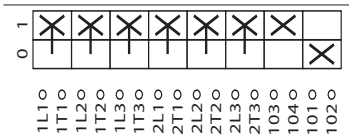


197448

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Suitable for export to North America (US) and Canada
 FS 908		3	1	0	20 A	T0-2-15679/I1/SVB	207149	X
		3	1	1	25 A	P1-25/I2/SVB/HI11	207297	✓
					25 A	P1-25/I2H/SVB/HI11	226902	X
					32 A	P1-32/I2/SVB/HI11	207318	✓
					32 A	P1-32/I2H/SVB/HI11	227870	X
					40 A	P1-40/I2/SVB/HI11	199910	X
					40 A	P1-40/I2H/SVB/HI11	199923	X
					63 A	P3-63/I4/SVB/HI11	207348	✓
					100 A	P3-100/I5/SVB/HI11	207378	✓
		3	2	1	20 A	T0-3-15683/I1/SVB	207157	X
					32 A	T3-3-15683/I2/SVB	207206	✓
		3 + N	1	1	20 A	T0-3-15680/I1/SVB	207153	X
					32 A	T3-3-15680/I2/SVB	207202	✓
		3 + N	1	1	20 A	T0-3-8901/I1/SVB	231934	X
					32 A	T3-3-8901/I2/SVB	218987	✓
					63 A	T5B-3-8901/I4/SVB	207244	✓
					100 A	T5-3-8901/I5/SVB	207277	X
		3 + N	1	1	63 A	P3-63/I4/SVB/N/HI11	207350	✓
					100 A	P3-100/I5/SVB/N/HI11	207380	✓
		6	1	1	20 A	T0-4-15682/I1/SVB	207161	X
					32 A	T3-4-15682/I2/SVB	207210	X
					63 A	T5B-4-15682/I4/SVB	207246	✓
					100 A	T5-4-15682/I5/SVB	207281	X
		6	1	1	160 A	T6-160-6/I45/SVB/HI11*	201448	X
		6	1	1	275 A	T8-3-8342/I48/SVB/HI11**	201450	X

Note: All the SVB handles are padlockable



207246

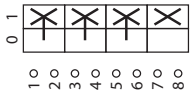
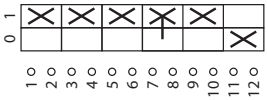
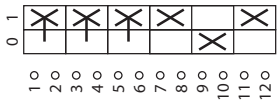
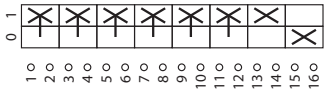
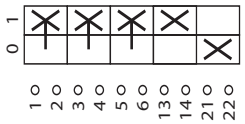
* Enclosure without flanges with K95/1N*BR

** With KS4-CI and K150/1-BR; Ingress protection IP64

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures with pre-assembled EMC screen, With emergency switch off/ emergency stop function

Front plate	Contact sequence	Number of poles N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack quantity	Suitable for export to North America (US) and Canada
 FS 908		3	1		20 A	T0-2-15679/I2H/MBS/SVB	182429	1	X
		3 + N	1	1	20 A	T0-3-15680/I2H/MBS/SVB	182431	1	X
		3	2	1	20 A	T0-3-15683/I2H/MBS/SVB	182433	1	X
		6	1	1	20 A	T0-4-15682/I2H/MBS/SVB	182435	1	X
		3	1	1	25 A	P1-25/I2H/MBS/SVB/HI11	182415	1	X
					32 A	P1-32/I2H/MBS/SVB/HI11	182419	1	X
					40 A	P1-40/I2H/MBS/SVB/HI11	199918	1	X
					63 A	P3-63/I4/MBS/SVB/HI11	182423	1	X

Note: All the SVB handles are padlockable

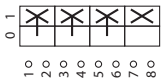
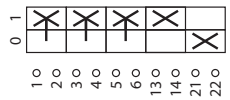
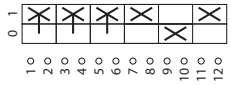
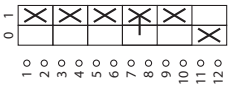
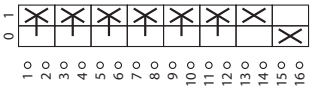


182419

Photo is representative

Enclosed - Main switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in steel enclosure With emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canata	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/SE1/SVB	197441	1	X	✓
		3	1	1	25 A	P1-25/SE1/SVB/HI11	197347	1	X	✓
					32 A	P1-32/SE1/SVB/HI11	197355	1	X	✓
					40 A	P1-40/SE1/SVB/HI11	199947	1	X	✓
					63 A	P3-63/SE1/SVB/HI11	197363	1	X	✓
					100 A	P3-100/SE1/SVB/HI11	197371	1	X	✓
		3	2	1	20 A	T0-3-15683/SE1/SVB	197450	1	X	✓
			2	1	32 A	T3-3-15683/SE2/SVB	197476	1	X	✓
		4	1	0	20 A	T0-3-15680/SE1/SVB	197444	1	X	✓
		6	1	1	20 A	T0-4-15682/SE2/SVB	197447	1	X	✓
			1	1	32 A	T3-4-15682/SE2-SVB	197473	1	X	✓

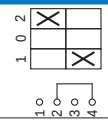
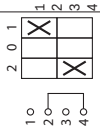
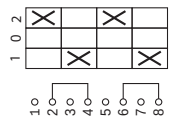
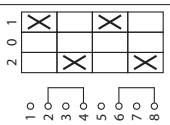
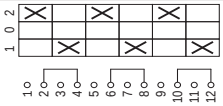
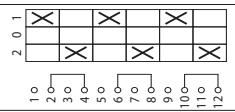
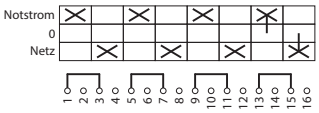
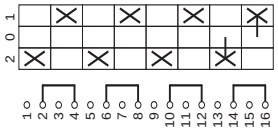
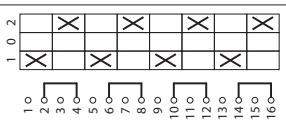


197355

Photo is representative

Enclosed - Changeover switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 684		1	20 A	T0-1-8210/I1	207076	1	X	X
			32 A	T3-1-8210/I2	207169	1	✓	X
			63A	T5B-1-8210/I4	207432	1	✓	X
 FS 429		1	20 A	T0-1-15421/I1	207069	1	✓	X
 FS 684		2	20 A	T0-2-8211/I1	207102	1	X	X
			32 A	T3-2-8211/I2	207178	1	✓	X
			63 A	T5B-2-8211/I4	207220	1	✓	X
 FS 429		2	20 A	T0-2-15422/I1	207090	1	✓	
 FS 684		3	20 A	T0-3-8212/I1	207123	1	X	X
			32 A	T3-3-8212/I2	207183	1	✓	X
			63 A	T5B-3-8212/I4	207223	1	✓	X
			100 A	T5-3-8212/I5	207266	1	X	X
 FS 429		3	20 A	T0-3-15423/I1	207114	1	✓	X
 FS 161629		4	32 A	T3-4-8902/I2	215224	1	✓	X
			63 A	T5B-4-8902/I4	207237	1	✓	X
			100 A	T5-4-8902/I5	207214	1	X	X
 FS 429		4	20 A	T0-4-8213/I1	207136	1	✓	X
			32 A	T3-4-8213/I2	207191	1	✓	X
			63 A	T5B-4-8213/I4	207230	1	✓	X
			100 A	T5-4-8213/I5	207270	1	X	X
 FS 953		4	20 A	T0-4-8294/I1	207138	1	X	X
			32 A	T3-4-8294/I2	207193	1	✓	X
			63 A	T5B-4-8294/I4	207232	1	✓	X
			100 A	T5-4-8294/I5	207433	1	X	X



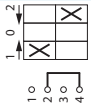
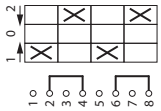
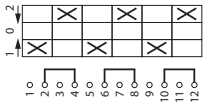
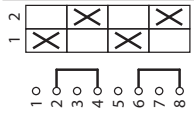
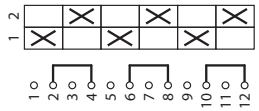
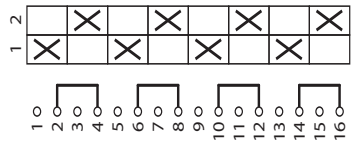
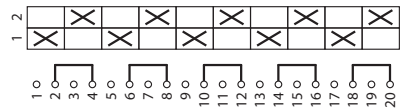


207232

Photo is representative

Enclosed - Changeover switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return to the 0 (OFF) position from both directions								
 FS 4011		1	20 A	T0-1-8214/I1	207077	1	✓	X
		2	20 A	T0-2-8215/I1	207103	1	✓	X
			32 A	T3-2-8215/I2	207179	1	✓	X
		3	20 A	T0-3-8216/I1	207434	1	✓	X
			32 A	T3-3-8216/I2	207184	1	✓	X
Two way switch-disconnector								
 FS 943		1	20 A	T0-1-8220/I1	207078	1	X	X
		2	20 A	T0-2-8221/I1	207104	1	X	X
			32 A	T3-2-8221/I2	207180	1	✓	X
			63 A	T5B-2-8221/I4	207221	1	✓	X
		3	20 A	T0-3-8220/I1	207124	1	X	X
			32 A	T3-3-8222/I2	207185	1	✓	X
			63 A	T5B-3-8222/I4	207224	1	✓	X
		4	20 A	T0-4-8223/I1	207137	1	X	X
			32 A	T3-4-8223/I2	207192	1	✓	X
			63 A	T5B-3-8223/I4	207231	1	✓	X
		5	32 A	T3-5-8369/I2	207536	1	✓	X

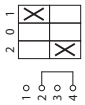
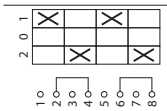
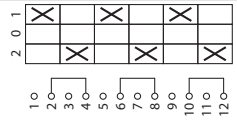
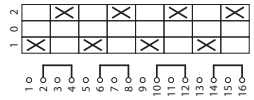
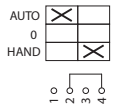
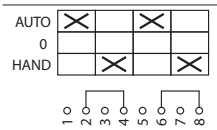
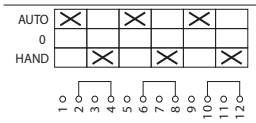
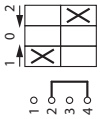
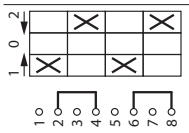
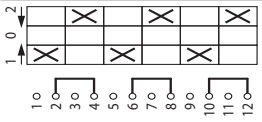


207137

Photo is representative

Enclosed - Changeover switch-disconnectors

Switch-disconnectors fitted in steel enclosure Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Suitable for export to North America and Canada	Padlockable handle
With 0 (OFF) position										
 FS 684		1	20 A	SE1	Black	T0-1-8210/SE1	197386	1	X	✓
		2	20 A	SE1	Black	T0-2-8211/SE1	197387	1	X	✓
		3	20 A	SE1	Black	T0-3-8212/SE1	197388	1	X	✓
		4	20 A	SE2	Black	T0-4-8213/SE2	197389	1	X	✓
 FS 1401		1	20 A	SE1	Black	T0-1-15431/SE1	197430	1	X	✓
		2	20 A	SE1	Black	T0-2-15432/SE1	197431	1	X	✓
		3	20 A	SE1	Black	T0-3-15433/SE1	197432	1	X	✓
With Automatic (spring) return to the 0 (OFF) position from both directions										
 FS 4011		1	20 A	SE1	Black	T0-1-8214/SE1	197390	1	X	✓
		2	20 A	SE1	Black	T0-2-8215/SE1	197391	1	X	✓
		3	20 A	SE1	Black	T0-3-8216/SE1	197392	1	X	✓

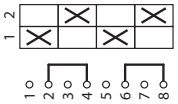
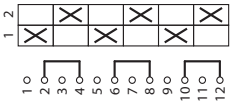
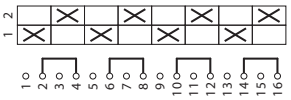


197389

Photo is representative

Enclosed - Changeover switch-disconnectors

Switch-disconnectors fitted in steel enclosure Without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Suitable for North America and Canada	Padlockable handle
Two way switch-disconnector without 0 (OFF) position										
 FS 943		1	20 A	SE1	Black	T0-1-8220/SE1	197393	1	X	X
		2	20 A	SE1	Black	T0-2-8221/SE1	197394	1	X	X
		3	20 A	SE1	Black	T0-3-8222/SE1	197395	1	X	X
		4	20 A	SE2	Black	T0-3-8223/ SE2	197396	1	X	X

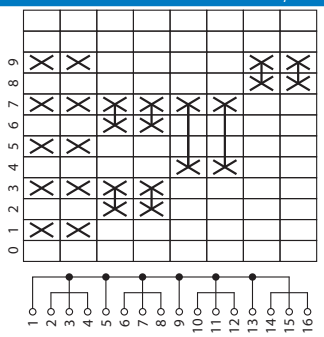


197396

Photo is representative

Enclosed - Coding switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With complete rotation in both directions - Binary BCD Code							
 FS 312		20 A	T0-4-15602/I1	207134	1	✓	X



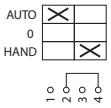
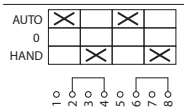
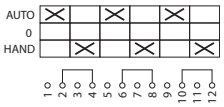
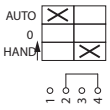
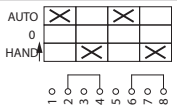
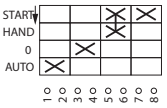
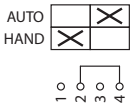
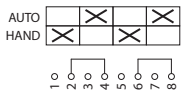
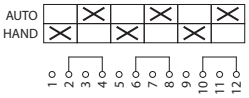


207134

Photo is representative

Enclosed - Manual/auto switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 1401		1	20 A	T0-1-15431/I1	207070	1	✓	X
		2	20 A	T0-2-15432/I1	207091	1	✓	X
		3	20 A	T0-3-15433/I1	207115	1	✓	X
With Automatic (spring) return from HAND								
 FS 1414000		1	20 A	T0-1-15434/I1	207071	1	✓	X
		2	20 A	T0-2-15435/I1	218971	1	✓	X
With Automatic (spring) return from START								
 FS 1413890		2	20 A	T0-2-15907/I1	207095	1	✓	X
Without 0 (Off) position								
 FS 19334		1	20 A	T0-1-15451/I1	207072	1	✓	X
		2	20 A	T0-2-15452/I1	207092	1	✓	X
		3	20 A	T0-3-15453/I1	207116	1	✓	X

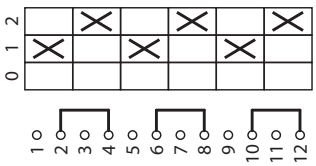
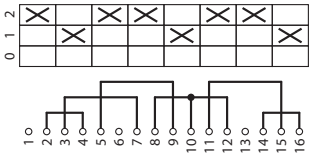
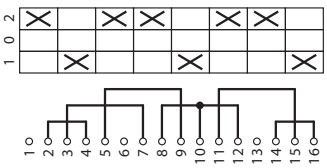


207071

Photo is representative

Enclosed - Multi speed switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/I1	207133	1	X	X
			32 A	T3-3-8451/I2	207189	1	✓	X
			63 A	T5B-3-8451/I4	207228	1	✓	X
2 speed, 2 directions, for one tapped winding								
 FS 644		3	20 A	T0-4-8440/I1	207141	1	X	X
			32 A	T3-4-8440/I2	207196	1	✓	X
			63 A	T5B-4-8440/I4	207235	1	✓	X
 FS 684		3	20 A	T0-4-8441/I1	207142	1	X	X
			32 A	T3-4-8441/I2	207197	1	✓	X
			63 A	T5B-4-8441/I4	207236	1	✓	X

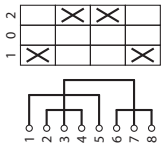
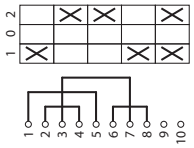
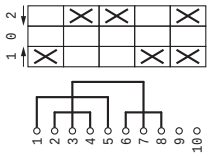
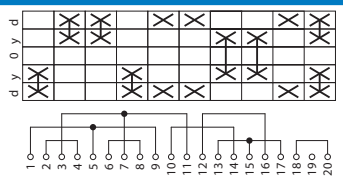


207133

Photo is representative

Enclosed - Reversing switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switch-disconnector - Without Automatic (spring) return to 0 (Off) position								
 FS 684		2	20 A	T0-2-8400/I1	207111	1	✓	X
			32 A	T3-2-8400/I2	207181	1	✓	X
			63 A	T5B-2-8400/I4	207222	1	✓	X
		3	20 A	T0-3-8401/I1	207132	1	✓	X
			32 A	T3-3-8401/I2	207188	1	✓	X
			63 A	T5B-3-8401/I4	207227	1	✓	X
Reversing switch-disconnector - With Automatic (spring) return from both directions to 0 (Off position)								
 FS 4011		3	20 A	T0-3-8228/I1	207125	1	✓	X
			32 A	T3-3-8228/I2	207186	1	✓	X
			63 A	T5B-3-8228/I4	207225	1	✓	X
Reversing stat-delta switch-disconnector - Two-way operating direction								
 FS 638		3	32 A	T3-5-15876/I2	207537	1	✓	X

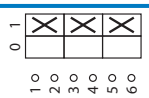
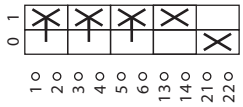
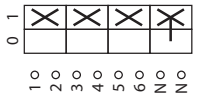
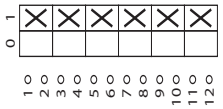
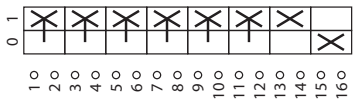
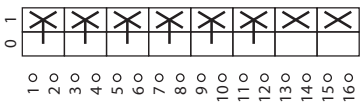


207225

Photo is representative

Enclosed - Safety switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/0	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)
 FS 908		3	0	0	25 A	P1-25/I2-SI-SW	207309	1	X
					32 A	P1-32/I2-SI-SW	207330	1	X
					63 A	P3-63/I4-SI-SW	207362	1	X
					100 A	P3-100/I5-SI-SW	207387	1	X
		3	1	1	25 A	P1-25/I2-SI/HI11-SW	207311	1	X
					32 A	P1-32/I2-SI/HI11-SW	207332	1	X
					63 A	P3-63/I4-SI/HI11-SW	207364	1	X
					100 A	P3-100/I5-SI/HI11-SW	207389	1	X
		3+N	0	1	25 A	P1-25/I2-SI/N-SW	207313	1	X
					32 A	P1-32/I2-SI/N-SW	207334	1	X
					63 A	P3-63/I4-SI/N-SW	207366	1	X
					100 A	P3-100/I5-SI/N-SW	207391	1	X
		6	0	0	63 A	T5B-3-8342/I4-SI-SW	207251	1	X
					100 A	T5-3-8342/I5-SI-SW	207448	1	X
		6	1	1	63 A	T5B-4-15682/I4-SI-SW	207255	1	X
					100 A	T5-4-15682/I5-SI-SW	207286	1	X
		6	2	0	63 A	T5B-4-8903/I4-SI-SW	207259	1	X
					100 A	T5-4-8903/I5-SI-SW	207290	1	X

Note: All the SI handles are padlockable

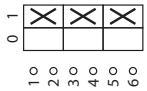
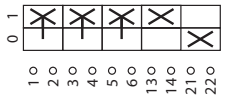
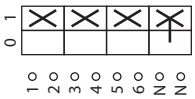
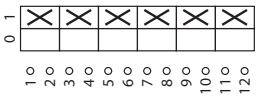
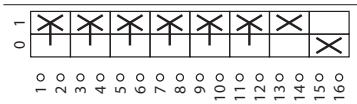
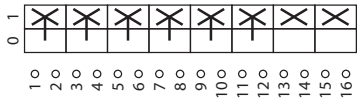
See further details about the safety switch-disconnectors page 145



Photo is representative

Enclosed - Safety switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, with emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/0	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)
 FS 908		3	0	0	25 A	P1-25/I2-SI	207313	1	X
					32 A	P1-32/I2-SI	207329	1	X
					63 A	P3-63/I4-SI	207361	1	X
					100 A	P3-100/I5-SI	207386	1	X
		3	1	1	25 A	P1-25/I2-SI/HI11	207310	1	X
					32 A	P1-32/I2-SI/HI11	207331	1	X
					63 A	P3-63/I4-SI/HI11	207363	1	X
					100 A	P3-100/I5-SI/HI11	207388	1	X
		3+N	0	1	25 A	P1-25/I2-SI/N	207312	1	X
					32 A	P1-32/I2-SI/N	207333	1	X
					63 A	P3-63/I4-SI/N	207365	1	X
					100 A	P3-100/I5-SI/N	207390	1	X
		6	0	0	63 A	T5B-3-8342/I4-SI	207250	1	X
					100 A	T5-3-8342/I5-SI	207447	1	X
		6	1	1	63 A	T5B-4-15682/I4-SI	207254	1	X
					100 A	T5-4-15682/I5-SI	207285	1	X
		6	2	0	63 A	T5B-4-8903/I4-SI	207258	1	X
					100 A	T5-4-8903/I5-SI	207289	1	X

Note: All the SI handles are padlockable

See further details about the safety switch-disconnectors page 145



Photo is representative

Enclosed - Safety switch-disconnectors

Notes:

Engineering:

Maintenance, repair and safety switches all have the same electrical function. They are designed to safely isolate electrical installations (loads) from mains power during maintenance and repair work and to ensure that a hazard does not arise which endangers personnel, machinery and production materials.
A safety switch is an additional enclosed main switch = isolator dedicated to an individual electrical load and mounted in the immediate vicinity of the motor of the electrical load. This is particularly important is there is any danger of the main switch being inadvertently operated.

Application

By using up to 3 padlocks, each fitter/electrician involved can protect themselves by preventing unauthorised personnel from switching the unit on.
Maintenance/manual override switches are simply additional enclosed main switches with a padlocking feature.
Enclosed main switch with padlocking facility.

Features

- Safety switches are always housed in insulated enclosures and have an inscription saying 'Safety switches' on a bright orange label.
- Switches to be used in emergency stop switching have a red handle and yellow locking collar in accordance with STOP category 0 (as per IEC/EN 60204/VDE 0113).
- If the switch is not approved for emergency stop switch, both parts will be black ('SW' part no. suffix).
- The cover and handle are interlocked by fitting a padlock.

Selection

The switches must be selected according to the following performance specifications:

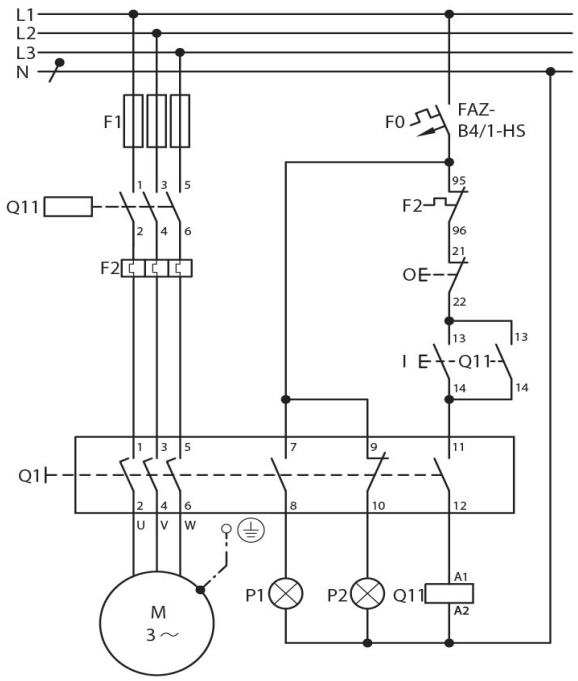
1) According to motor switching capacity, when the switch is fitted in such a way that the operator may use it for operational ON and OFF switching

2) The rating data always applies to 3 poles. When the motor rating is divided between 6 poles, such as for star-delta switching, a 6 pole switch can be used to control 1.73 time the rated power.

3) If the switch has a load shedding Contact (LA), you can select the appropriate switch according to the uninterrupted current. The load switching contact is an auxiliary contact, which closed in the ON position and opens early when switching off, so that a contactor located in the circuit takes over the switching duty and the maintenance/safety switch operates at zero load. When switching on, the load-shedding contact closes later than or at the same time as the main contacts. With P and T switches this is the N/0 auxiliary contact.

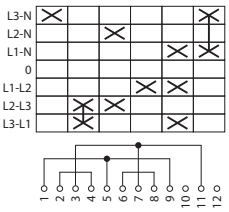
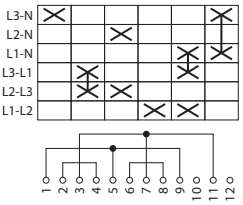
4) The 'ON' position can be locked with a padlock (by altering the handle).
This is not permissible for switches with a red/yellow handle.

Safety switches with load shedding and signaling



Enclosed - Selector switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter switch-disconnector								
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	20 A	T0-3-8007/I1	207120	1	✓	X
 FS 164721		3 x phase-phase 3 x phase-N without 0 position with complete rotation in both directions	20 A	T0-3-15924/I1	207119	1	✓	X



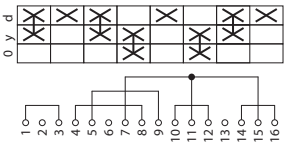


207120

Photo is representative

Enclosed - Star delta switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/I1	207140	1	X	X
			32 A	T3-4-8410/I2	207195	1	✓	X
			63 A	T5B-4-8410/I4	207234	1	✓	X

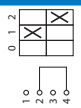
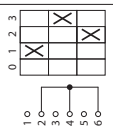
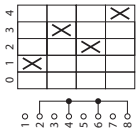
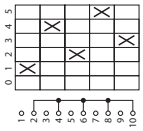
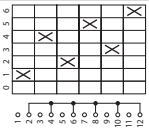
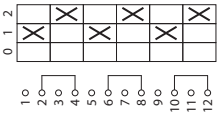
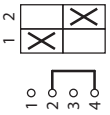
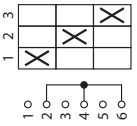
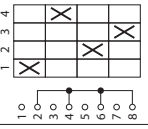
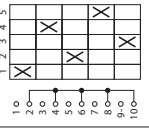
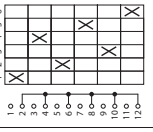
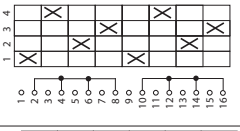
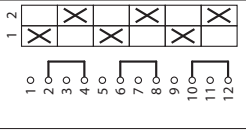


207140

Photo is representative

Enclosed - Step switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/I1	207079	1	✓	X
 FS 420		1	20 A	T0-2-8241/I1	207107	1	✓	X
 FS 422		1	20 A	T0-2-8242/I1	207108	1	✓	X
 FS 424		1	20 A	T0-3-8243/I1	207128	1	✓	X
 FS 426		1	20 A	T0-3-8244/I1	207129	1	✓	X
 FS 418		3	20 A	T0-3-8280/I1	207130	1	✓	X
Without 0 (Off) position								
 FS 943		1	20 A	T0-1-8220/I1	207078	1	✓	X
 FS 404		1	20 A	T0-2-8230/I1	207105	1	✓	X
 FS 606		1	20 A	T0-2-8231/I1	207106	1	✓	X
 FS 408		1	20 A	T0-3-8232/I1	207126	1	✓	X
 FS 410		1	20 A	T0-3-8233/I1	207127	1	✓	X
 FS 406		2	20 A	T0-4-8251/I1	218984	1	✓	X
 FS 943		3	20 A	T0-3-8222/I1	207124	1	✓	X

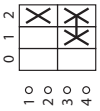


207105

Photo is representative

Enclosed - Step switch-disconnectors for heating

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Number of poles N/0 I	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position heater switches								
 FS 614		20 A	1	T0-1-91/I1	207080	1	✓	X



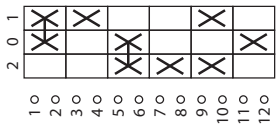
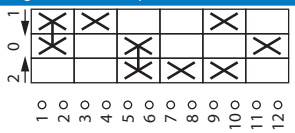


207080

Photo is representative

Enclosed - Universal control switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off/emergency stop function

Front plate	Contact sequence	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Maintained switches with 3 positions 1 Contact closed in each position - Additionally 1 contact closed in position 0 and 1 - Additionally 1 contact closed in position 0 and 2 - Additionally 1 contact closed in position 0 and 3							
 FS 429		20 A	T0-3-15391/I1	207112	1	✓	X
Automatic (spring) return from positions 1 and 2							
 FS 458		20 A	T0-3-15394/I1	207113	1	✓	X



207113

Photo is representative

Enclosed switch-disconnectors dedicated accessories

IP65 Insulated enclosures

Description	Number of contact units	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
IP65 insulated enclosure - With metric knockouts (hard knockouts)	Only available together with basic unit	+I1H	105870	1	X	T0	Surface mounting I1
		+I2H	105871	1	X	T3	Surface mounting I2
					X	P1	Surface mounting I2



105870/ 105871

Cable glands

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Cable gland for metric knockouts (hard knockouts)	V-M25	206911	1	X	T0	Surface mounting I1 and I2
	KT-M25	207603	1	X	T3	Surface mounting I1 and I2
				X	P1	Surface mounting I1 and I2



206911



207603

Neutral terminals

Description	Flex cable	Suitable for	Part number	Article number	Std. pack
For connection of a 5th conductor	1-4 mm²	CI-K1, CI-K2	K-CI-K1/2	207451	20
	1.5-16 mm²	CI-K4	K-CI-K4	206916	20
	10-35 mm²	CI-K5	K-CI-K5	218488	20



207451

Exterior mounting angle brackets

Description	Suitable for	Part number	Article number	Std. pack
4 angle brackets per set	CI-K4, CI-K5	AB-CI-K4/5	206914	1 off



206914

Mounting plate shield

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for
To connect the shielding	MBS-I2(1)	290191	1	✓	CI-K2 Polycarbonate enclosure
	MBS-I4(1)	118742	1	✓	CI-K4 Polycarbonate enclosure



290191

Photos are representative

Enclosed switch-disconnectors dedicated accessories

Neutral terminal

- Early make on switching, late-break off switching
- The N contact always behaves as an early-make contact when switching on and as a late-break contact for when switching off.
- N-P1(P3)...switching capacity same as for contacts P1(P3)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For P1.../I2 optionally, NP1Z or HI11-P1/P3Z, can only be fitted on the left	N-P1Z	000652	5	✓	P1	Surface mounting /I2
					P3-63	Surface mounting /I4
					P3-100	Surface mounting /I5


000652

Auxiliary contacts - 1 normally open (N/O), 1 normally close (N/C)

Late break on switching, early-make off switching. The N/O is always connected as a load-shedding contact

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For P1.../I2 optionally, NP1Z or HI11-P1/P3Z, can only be fitted on the left	HI11-P1/P3Z (1)	062031	5	✓	P1	Surface mounting /I2
				✓	P3-63	Surface mounting /I4
				✓	P3-63	Rear mounting /V or /Z
				✓	P3-100	Surface mounting /I5

	(1)
Product standards	UL 60947-4-1, CSA - C22-.2 No 14-05 IEC/EN 60947-3, CE Marking, UKCA Marking
UL File No	E36332
UL CCN	NLRV
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified



P Switch-disconnectors and T cam switches in North American (NA) version

In its NA version the cam switch features a terminal inscription in English and/or a terminal inscripiton deviating from the IEC standard. Switches in mounting types I2 to I4 feature an additional inscription on the enclosure's front (e.g. part no and protection type). Not possible in combination with key operation lock mechanism S-T0, SVA-T3 and SVC-T3

An overview of these cam switches can be found in the instructional leaflet AWA 1150-2327.

	P1	P3-63	P3-100	T0	T3	T5B
Mounting form /E, /EA,/EZ, /Z, /V, /IVS				+NA-12 105864	+NA-12 105864	
/I2	+NA-12 105866				+NA-12 105866	
/I4		+NA-12 105866				
/I5			+NA-12 105869			+NA-15 105869

Photos are representative

Universal accessories

Red and yellow main switch assembly kits - For T0, T3, T5B, T5, P1 and P3 Flush, rear and surface mounting switch-disconnectors

- Padlocking feature, lockable with max. 3 padlocks
- For locking in the 0 position, for switches with positions 0 - I at 90°
- Permissible with T0 with up to max. 4 contact units and with T3 with up to max 6 contact units
- Switching angle as front plate FS908
- Designed as per IEC/EN 60204-1. VDE 0113 Part 1

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Red rotary handle with yellow locking ring As emergency switching off/emergency stop device	SVB-T0	057892	1	✓	T0, T3, P1	Flush mounting /E
					T0, T3, P1	Rear mounting /Z
					T0	Surface mounting /I1
					T3, P1	Surface mounting /I2
Red rotary handle with yellow locking ring As emergency switching off/emergency stop device	SVB-P3	052999	1	✓	T5B, T5, P3	Flush mounting /E
					T5B, T5, P3	Rear mounting /Z
					T5B, P3-63	Surface mounting /I4
					T5, P3-100	Surface mounting /I5



* UL/CSA certification not required

Black main switch assembly kits - For T0, T3, T5B, T5, P1 and P3 Flush, rear and surface mounting switch-disconnectors

- Padlocking feature, lockable with max. 3 padlocks
- For locking in the 0 position, for switches with positions 0 - I at 90°
- Permissible with T0 with up to max. 4 contact units and with T3 with up to max 6 contact units
- Switching angle as front plate FS908
- Designed as per IEC/EN 60204-1. VDE 0113 Part 1

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Black rotary handle and black locking collar Without emergency switching off/emergency stop device function	SVB-SW-T0	060265	1	✓	T0, T3, P1	Flush mounting /E
					T0, T3, P1	Rear mounting /Z
					T0	Surface mounting /I1
					T3, P1	Surface mounting /I2
Black rotary handle and black locking collar Without emergency switching off/emergency stop device function	SVB-SW-P3	062491	1	✓	T5B, T5, P3	Flush mounting /E
					T5B, T5, P3	Rear mounting /Z
					T5B, P3-63	Surface mounting /I4
					T5, P3-100	Surface mounting /I5



* UL/CSA certification not required

Photos are representative

Universal accessories

Red and black main switch assembly kits with PE Terminal and N Terminal - For T0, T3 and T5B Flush, and rear mounting switches

- Padlocking feature
- For converting flush mounting switch T.../E into flush mounting main switch T../EA/SVB
- For converting rear mounting switch T,.../Z into rear mounting main switch T..../V/SVB
- Designed as per IEC/EN 60204-1. VDE 0113 Part 1

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Red rotary handle with yellow locking ring	V/EA/SVB-T0	062638	1	✓	T0, T3	Flush mounting /E
					T0, T3	Rear mounting /Z
As emergency switching off/emergency stop device	V/EA/SVB/T5	045065	1	✓	T5B	Flush mounting /E
					T5B	Rear mounting /Z
Black rotary handle with black locking ring	V/EA/SVB-SW-T0	065011	1	✓	T0, T3	Flush mounting /E
					T0, T3	Rear mounting /Z
Without emergency switching off/emergency stop function	V/EA/SVB-SW/T5	045064	1	✓	T5B	Flush mounting /E
					T5B	Rear mounting /Z



062638

Black thumb grip

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Black thumb grip	KNB-T0	038909	10	✓	T0, T3, P1	Flush mounting /E
					T0, T3, P1	Centre mounting /EZ
					T0, T3, P1	Service distribution board /IVS
					T0, T3, P1	Rear mounting /Z
					T0	Surface mounting /I1
					T3, P1	Surface mounting /I2
	KNB-P3	041282	10	✓	T5B, P3	Flush mounting /E
					T5B, P3	Rear mounting /Z
					T5B, T5, P3-63	Surface mounting /I4
					P3-100	Surface mounting /I5



038909



041282

Red thumb grip

- Only for emergency switching off/emergency stop switches
- Designed as per IEC/EN 60204-1. VDE 0113 Part 1
- Order yellow FS908E-T0 front plate additionally

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Red thumb grip	KNB-RT-T0	043655	10	✓	T0, T3, P1	Flush mounting /E
					T0, T3, P1	Rear mounting /Z
					T0	Surface mounting /I1
					T3, P1	Surface mounting /I2
	KNB-RT-P3	046028	10	✓	T5B, P3	Flush mounting /E
					T5B, P3	Rear mounting /Z
					T5B, T5, P3-63	Surface mounting /I4
					P3-100	Surface mounting /I5



043655

Photos are representative

Universal accessories

Front plates

For use with	Switch type	Part number	Article number	Dimensions (W x H x D)	Std. pack	Suitable for export to North America (US and Canada)*
Standard front plate - Suitable for laser inscription						
For frame 48 x 48	T0, T3, P1	FS(*)-T0	231893	45 x 45 mm	10	✓
For frame 88 x 88	P3, T5, T5B	FS(*)-P3	231895	84 x 84 mm	10	✓
Emergency switching off/emergency stop front plates						
For frame 48 x 48	T0, T3, P1	FS908GE-T0	003198	45 x 45 mm	5	✓
For frame 88 x 88	P3, T5, T5B	FS908GE-P3	031475	84 X 84 mm	5	✓
Blank plate - Can be engraved						
For frame 48 x 48	T0, T3, P1	FS-ALU980-T0	266905	45 x 45 mm	50	✓
For frame 88 x 88	P3, T5, T5B	FS-ALU980-P3	266906	84 X 84 mm	10	✓

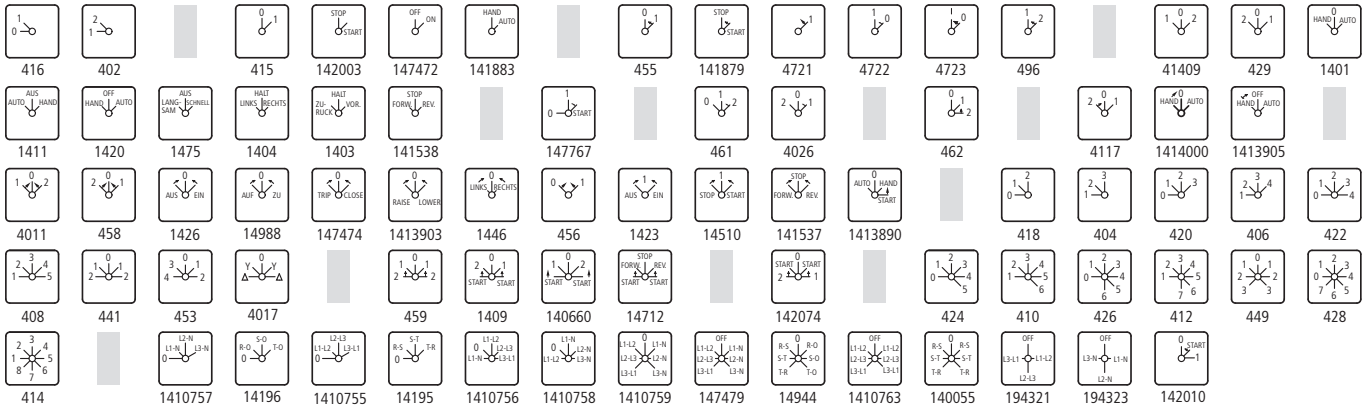
* UL/CSA certification not required

Notes: Standard front plates
For standard switches the normal front plate can be replaced if required with the front plate shown below (not with T6, T8 and TM). Providing the switching angle, number of positions and the position of the 0 are the same.

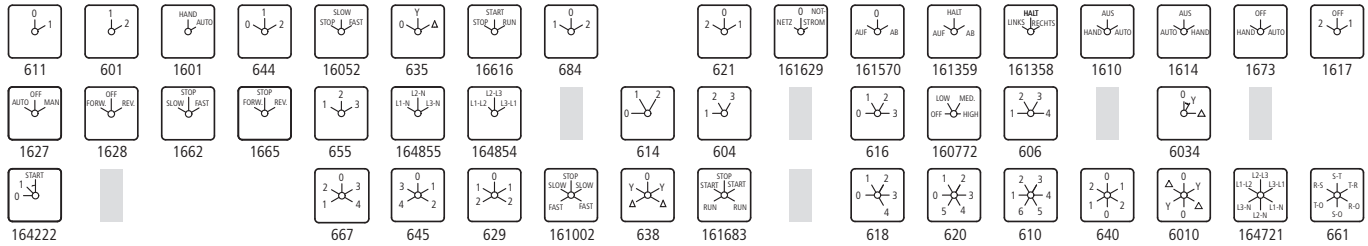
Switching angle 30°



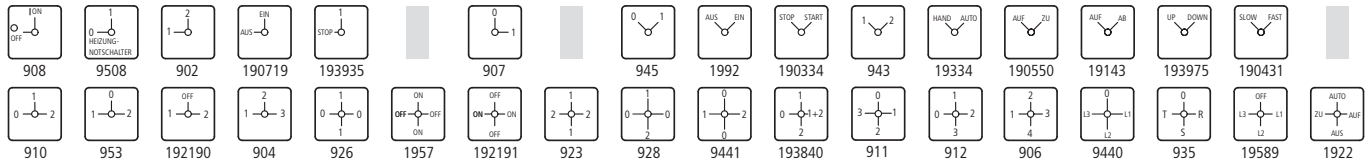
Switching angle 45°



Switching angle 60°



Switching angle 90°



Universal accessories

Black label mount and insert label

- For padlocking features consisting of one label and one insert label
- Front plates are already included as a standard with:
  - T.../EA/SVB and P.../EA/SVB main switches flush mounting
  - T.../V/SVB, P./V/SVB main switches for rear mounting

Description	Language	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for
Inscribed with 'Main switch - Open only in 0 position'	German/English	ZFS61/62-T0	030170	25	✓	T0, T3, P1
		ZFS61/62/P3	065739	25	✓	T5, T5B, P3
	French	ZFS63-T0	047424	25	✓	T0, T3, P1
		ZFS63-P3	047423	25	✓	T5, T5B, P3
	Italian	ZFS68-T0	065751	25	✓	T0, T3, P1
	Portuguese	ZFS68-T0	065751	25	✓	T0, T3, P1
	Swedish	ZFS68-T0	065751	25	✓	T0, T3, P1
	Spanish	ZFS77-T0	065752	25	✓	T0, T3, P1
		ZFS77-P3	047422	25	✓	T5, T5B, P3
	Hungarian	ZFS80-T0	205548	25	✓	T0, T3, P1
		ZFS80-P3	205565	25	✓	T5, T5B, P3
Blank	X	ZFS60-T0	019924	25	✓	T0, T3, P1
		ZFS60-P3	022297	25	✓	T5, T5B, P3





065739



019924

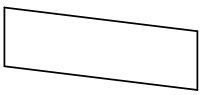
Label mount, black - clip-on

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Label mount	ZFSX-T0	024670	25	✓	T0, T3, P1
	ZFSX-P3	027043	25	✓	T5, T5B, P3



Insert label

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Blank insert label	BS45X14-T0	029416	25	✓	T0, T3, P1
	BS84X24-P3	031789	25	✓	T5, T5B, P3



P5 Switch-disconnector add-on front plate

- Enter country reference when ordering
  - D = German
  - GB = English
  - F = French
  - I = Italian
  - E = Spanish

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Switch type	Mounting
P5 Add-on front plate	ZFS(*)-P5	105225	1	✓	P5-../EA/SVB	Flush mounting /EA
				✓	P5-../V/SVB	Rear mounting /V



* UL/CSA certification not required

Photos are representative

Universal accessories

S-T0 key operated lock mechanism, with two keys, front IP53

The key replaces the thumb grip, cannot be switched without key. The switch position indication is on the lock. Normally the key is withdrawable in every position.
On Cam switches ordered with front plate FS908 together with key operation, the key is only withdrawable in the 0 position.
The key withdraw can be changed (also retrospectively) with the locking cam 'VR-T0'
When retrofitting the key operation, the existing front plate of the cam switch can be used

Description	Withdrawability	Part number	Article number	Std. pack	Suitable for
KMS 1 lock mechanism: individual lock mechanism, not suitable for master key systems. Key withdrawable in all positions	Withdrawable positions can be programmed by user	S-T0	086709	1	Flush mounting /E: T0-1 to T0-6, T3-1 to T3-5, P1
KMS-2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems. Key withdrawable in all positions	Withdrawable positions can be programmed by user	S-SOND-KMS(*)-T0	231957	1	Surface mounting /I1: T0-1 to T0-4 Surface mounting /I2: T3-1 to T3-4 , P1
Lock KMS1 switches with FS908 are possible as main switch.Key can be withdrawn in positions as specified.	Withdrawable positions programmed at factory as ordered	S(*)-T0	231959	1	Rear mounting /Z: T0-1 to T0-6, T3-1 to T3-4, P1
SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the **full configuration of the planned lock system.** When reordering state item number from the lock plan, e.g. (A 6294-1.2). Key can be withdrawn in positions as specified.	Withdrawable positions programmed at factory as ordered	S(*)-SOND-SA(*)-T0	231965	1	



086709

SVA-T3 Cylinder lock, with two keys, front IP65

Description	Withdrawability	Part number	Article number	Std. pack	Suitable for
KMS 1 lock mechanism: individual lock mechanism, not suitable for master key systems. Key withdrawable in all positions	Withdrawable positions can be programmed by user	SVA-T3	050974	1	Flush mounting /E: T0, T3, P1
KMS-2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems. Key withdrawable in all positions	Withdrawable positions can be programmed by user	SVA-SOND-KMS(*)-T3	231967	1	Surface mounting /I1: T0 Surface mounting /I2: T3, P1 Rear mounting /Z: T0, T3, P1
Lock KMS1 switches with FS908 are possible as main switch.Key can be withdrawn in positions as specified.	Withdrawable positions programmed at factory as ordered	SVA(*)-T3	907745	1	Flush mounting /E: T0-1 to T0-4 T3-1 to T3-6, P1
SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the **full configuration of the planned lock system.** When reordering state item number from the lock plan, e.g. (A 6294-1.2). Key can be withdrawn in positions as specified.	Withdrawable positions programmed at factory as ordered	SVA(*)-SOND-SA(*)-T3	231971	1	Surface mounting /I1: T0-1 to T0-4 Surface mounting /I2: T3, P1



050974

Photos are representative

SVC-T3 Padlocking feature, front IP65

The locking slide can be locked with a maximum of 3 padlocks when in its pressed, interlocked position

Description	Withdrawability	Part number	Article number	Std. pack	Mounting form	Suitable for
All positions can be locked	The positions that can be locked can be programmed by the user	SVC-T3	050975	1	Flush mounting /E	T0, T3, P1
					Surface mounting /I1	T0
					Suface mounting /I2	T3, P1
					Rear mounting /Z	T0, T3, P1
Specific positions or ranges can be locked	The positions that can be locked are programmable at the factory as ordered	SVC(*)-T3	907748	1	Switches with FS908 front plate can be used as main switches for:	
					Flush mounting /E	T0-1 to T0-4, T3-1 to T3-5, P1
					Surface mounting /I1	T0-1 to T0-4
					Suface mounting /I2	T3-1 to T3-5, P1



907748

Key

Description	Part number	Article number	Std. pack
For KMS 1 individual lock mechanism	ES-KMS1-T0	231972	10
For KMS 2-10 or KMS 201-400 individual lock mechanisms	ES-KMS(*)-T0	231973	1
Individual key, stainless, for master key system and stored individual lock mechanisms, state lock plan no. and key Master key must be ordered separately. The security certificate must be sent when reordering for example: HS-SA(A6294-1-.2)-T0	HS-SA(*)-T0	256151	1



Locking cams (2 cams per set)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for
For later change of key withdrawability in the engagements positions	VR-T0	089082	1	✓	S-T0 for all switching angles
For changing the blocked positions/ ranges	VR-T3	050987	1	✓	SVA-T3, SVC-T3



089082



050987

Photos are representative

Universal accessories

P1 and P 3 Neutral terminal

- Early make on switching, late-break off switching
- The N contact always behaves as an early-make contact when switching on and as a late-break contact for when switching off.
- N-P1(P3)...switching capacity same as for contacts P1(P3)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For left or right side mounting	N-P1E	000651	5	✓	P1	Flush mounting /E Centre mounting /EZ
For P1.../I2 optionally, NP1Z or HI11-P1/P3Z, can only be fitted on the left	N-P1Z	000652	5	✓	P1	Surface mounting /I2 Rear mounting /Z Service distribution board/ IVS
	N-P1E	062432	5	✓	P3	Flush mounting /E
	N-P3Z	064805	5	✓	P3	Rear mounting /Z Service distribution board /IVS
					P3-63	Surface mounting /I4 Rear mounting /Z
					P3-100	Surface mounting /I5 Rear mounting /Z


000652

P5 Neutral terminal

- Front mounting, left
- Service distribution board mounting right

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Neutral terminal	N-P5-125/160E	280969	1	X	P5-125 and 160	Flush mounting /EA
	N-P5-125/160Z	280970	1	X	P5-125 and 160	Rear mounting /V
	N-P5-250/315E	280971	1	X	P5-250 and 315	Flush mounting /EA
	N-P5-250/315Z	280972	1	X	P5-250 and 315	Rear mounting /V


280969

P5 Ground terminal

- Front mounting, right
- Service distribution board mounting left

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Ground terminal	PE-P5-125/160E	280973	1	X	P5-125 and 160	Flush mounting /EA
	PE-P5-125/160Z	280974	1	X	P5-125 and 160	Rear mounting /V
	PE-P5-250/315E	280975	1	X	P5-250 and 315	Flush mounting /EA
	PE-P5-250/315Z	280976	1	X	P5-250 and 315	Rear mounting /V


280974

P1 Switch terminals

- For use with P1 Switch terminals and additional terminals such as auxiliary and neutral units

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Fork terminal	FORKTERM-P1	400136	8	X	P1	All mounting options



Photos are representative

Universal accessories

P1 and P3 Auxiliary contacts - 1 normally open (N/O), 1 normally close (N/C)

- Late break on switching, early-make off switching. The N/O is always connected as a load-shedding contact

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For left or right side mounting	HI11-PI/P3E	061813	5	✓	P1	Flush mounting /E or /EA
					P1	Center mounting /EZ
					P3	Flush mounting /E or /EA
For P1.../I2 optionally, NP1Z or HI11-P1/P3Z, can only be fitted on the left	HI11-PI/P3Z	062031	5	✓	P1	Surface mounting /I2
				✓	P1	Rear mounting /V or /Z
				✓	P1	Service distribution mounting /IVS
				✓	P3-63	Surface mounting /I4
				✓	P3-63	Rear mounting /V or /Z
				✓	P3-63	Service distribution mounting /IVS
				✓	P3-100	Surface mounting /I5
				✓	P3-100	Rear mounting /V or /Z
				✓	P3-100	Service distribution mounting /IVS

Product standards	UL 60947-4-1, CSA - C22-.2 No 14-05 IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified



061813

P5 Auxiliary contacts - 2 normally open (N/O), 1 normally close (N/C)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
For left or right side mounting	HI21-P5-125/160E	280963	1		P5-125 and 160	Flush mounting /EA or /E
	HI21-P5-125/160Z	280964	1		P5-125 and 160	Rear mounting /V or Z
	HI21-P5-250/315E	280965	1		P5-250 and 315	Flush mounting /EA or /E
	HI21-P5-250/315Z	280966	1		P5-250 and 315	Rear mounting /V or Z



280964

Coupling drive (including push-in shaft)

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Coupling drive for the retrofitting of switch T0 and T0../XZ as rear mounting spare part to T0 and T3....Z	DE-T0	093487	1	✓	T0, T3	Rear mounting /Z
Coupling drive for the conversion of T5 and T5B-../E Flush mounting switch to rear mounting spare part for T5, T5B and P3-../Z	DE-P3	093972	1	✓	T5, T5B, P3	Flush mounting /E



093487



093972

Photos are representative

Universal accessories

Interlock sections

- With PE and neutral terminal connection
- Mounting on the back of flush mounting switch, with interlock function in rear mounting switches

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Interlock sections - Mounting on the back of flush mounting switch	UV-T0	019925	1	✓	T0, T3	Flush mounting /E Centre mounting /EZ Rear mounting /Z
Interlock sections - With interlock function for rear mounting switches	UV-P3	048289	1	✓	T5B, T5	Flush mounting /E Rear mounting /Z



Shrouds

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)***	Suitable for	Mounting
For flush mounting switches with up to 4 contact units Cable entries Quantity: 2 x Ø 20 mm + 2 x Ø 15 mm Cross section: 5 x 6 mm², 5 x 2.5 mm²	H3-T0	093828	1	✓	T0, T3	Flush mounting /E
For covering the connection terminals of up to 2 contact units*.	H1-T5	045062	1	✓	T5B, T5	Flush mounting /E Rear mounting /Z
Extension for H1-T5 protective shroud on 3-8 contact units. One HZ-T5 required per contact unit	HZ-T5	045063	1	✓	H1-T5	
For covering the connection terminals on 3-pole switch-disconnectors*	H-P1	017253	5	✓	P1	Flush mounting /E
			5	✓	P1	Rear mounting /V
For covering the connection terminals on 4-pole switch-disconnectors*	H-P14	019626	5	✓	P1-...N, HI11	All mounting options
For covering the connection terminals on 3-pole open switch-disconnectors with N neutral terminal and/or HI11 auxiliary contact**	H-P3	021999	5	✓	P3	Flush mounting /EA
					P3	Rear mounting /V
					P3-...N, HI11	All mounting options
For covering the terminals	H-P5-125/160	293977	1	✓	P5	All mounting options
	H-P5-250/315	293978	1	✓	P5	All mounting options
Set (6 units) for covering the connection terminals	H-T8	200184	6	✓	T8-3-8342/...	All mounting options

* Can be optionally used for input wiring and/or outgoer

** The protective shroud is designed for mounting on the switch-disconnector on both sides; non required parts can be broken off

*** UL/CSA certification not required



093828



045062



045063



017253



019626



021999



293977 / 293978



200184

Photos are representative

Universal accessories

Control cable terminal

Terminal capacity:

- Solid or stranded 4 mm²
- Flexible with ferrules to DIN 46228: 4 mm²

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for
Control cable terminal	ST-P5-250/314	280978	1	✓	P5-250/315



IP65 Insulated enclosures

Description	Number of contact units	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
IP65 insulated enclosure - With push-through cable entry diaphragm*	1-2	CI-K1-T0-2	207435	1	X	T0	Rear mounting /Z
	3-4	CI-K1-T0-4	207436	1	X		
	1-2	CI-K2-T3-2	207437	1	✓	T3	Rear mounting /Z
	3-4	CI-K2-T3-4	225325	1	✓		
	5	CI-K2-T3-5	207438	1	✓		
IP65 insulated enclosure - With metric knockouts	1-2	CI-K1H-T0-2	105854	1	X	T0	Rear mounting /Z
	3-4	CI-K1H-T0-4	105855	1	X		
	1-2	CI-K2H-T3-2	269462	1	X	T3	Rear mounting /Z
	3-4	CI-K2H-T3-4	105859	1	X		
	5	CI-K2H-T3-5	105860	1	X		
	1-2	CI-K4-T5B-2**	207439	1	✓	T5B	Flush mounting /E
	3-4	CI-K4-T5B-4**	207440	1	✓	T5B	Rear mounting /Z
	1-2	CI-K5-T5-2**	207441	1	✓	T5	Rear mounting /Z
	3-4	CI-K5-T5-4**	207442	1	✓		
	Only available together with basic unit	+I1H	105870	1	X	T0	Surface mounting I1
		+I2H	105871	1	X	T3	Surface mounting I2
					X	P1	Surface mounting I2

* The diaphragm can be pierced with the cable. 1 contact unit = 2 contacts.

** For converting T5../Z into T5-../I5 and T5B-../E into T5B-.../I4, order AW-T5-... extension terminal additionally. 1 contact unit = 2 contacts



207435 / 207436
105855 /



207437 / 269462
105859 / 105860



225325



207438



105854 / 105870
105871



207439 / 207440



207441



207442

Product standards	UL 60947-4-1 CSA - C22-.2 No 14-05, CSA - C22-2 No 94 IEC/EN 60947-3 CE Marking
UL File No	E54120
UL CCN	MITW2
CSA File No	12528
CSA Class No	3211-07
NA Certification	UL Listed, CSA Certified
Degree of protection	IEC: IP65 UL/CSA Type 1, 3R, 4X, 12, 13 - indoor and outdoor use

Photos are representative

Universal accessories

Neutral terminals

Description	Flex cable	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Neutral terminal for connection of a 5th conductor	1-4 mm²	K-CI-K1/2*	207451	20	✓	P1	Surface mounting I2
						T0	Surface mounting I1
						T3	Surface mounting I3
	1.5-16 mm²	K-CI-K4	206916	20	✓	T5B	Surface mounting I4
						P3	Surface mounting I4
	10-35 mm²	K-CI-K5	218488	20	✓	T5	Surface mounting I5
						P3	Surface mounting I5

* UL/CSA certification not required



206916



218488

Set of external brackets

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Set of external fixing brackets, for fixing CI-K4 and CI-K5 directly on walls. One set contains 4 brackets	AB-CI-K4/5	206914	1	✓	T5B	Surface mounting I4
					P3-63	Surface mounting I4
					T5	Surface mounting I5
					P3-100	Surface mounting I5

* UL/CSA certification not required



Photos are representative

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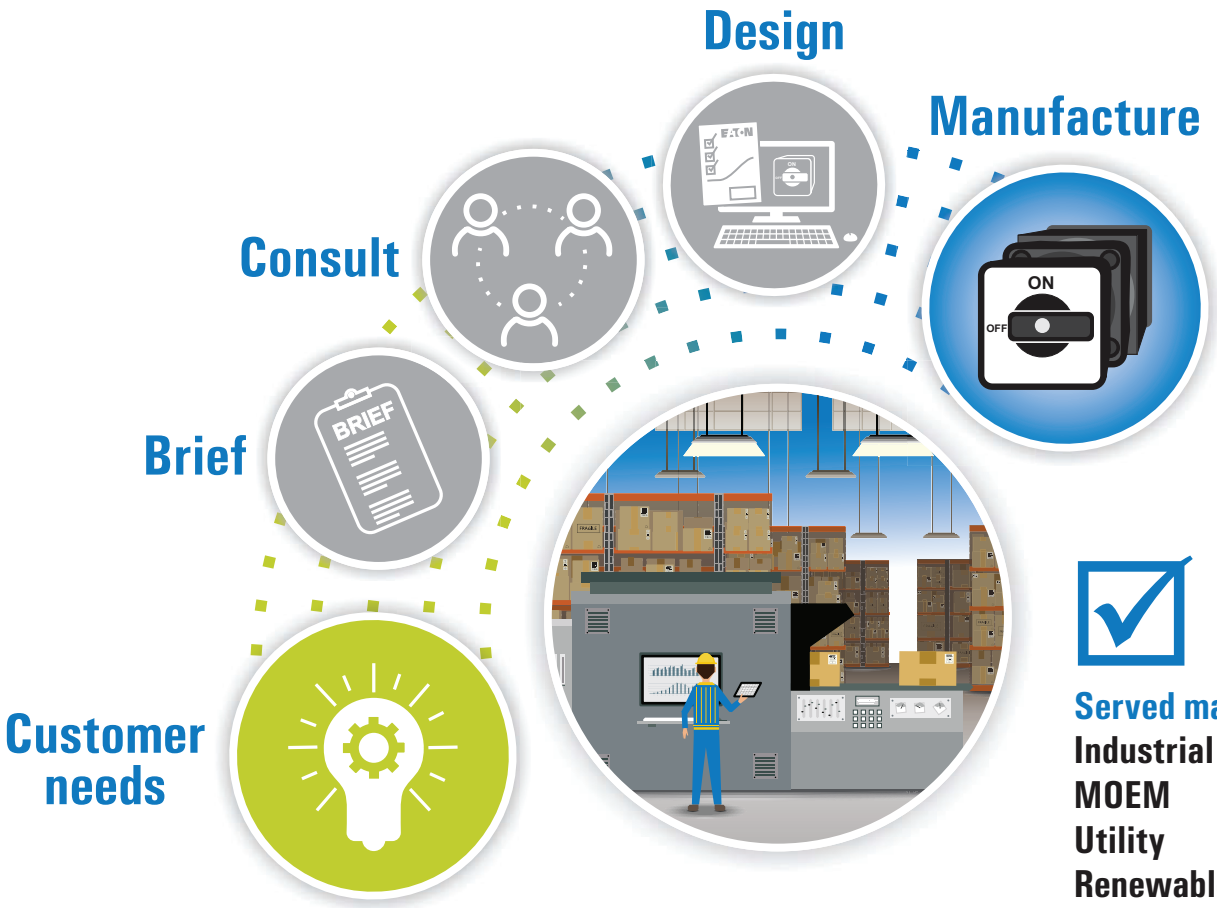

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Non standard Cam switches and Switch-disconnectors

T0 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
20 A	1	Flush mounting		Red	T0-1-SOND*/E	907765	✓
		Flush mounting	✓	Red	T0-1-SOND*/EA/SVB	907776	✓
		Flush mounting	✓	Black	T0-1-SOND*/EA/SVB-SW	908043	✓
		Centre mounting		Red	T0-1-SOND*/EZ	907787	✓
		Surface mounting in size 1 Ci-K Enclosure		Red	T0-1-SOND*/I1	207480	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Red	T0-1-SOND*/I1/SVB	207481	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Black	T0-1-SOND*/I1/SVB-SW	207482	✓
		Service distribution board		Red	T0-1-SOND*/IVS	907806	✓
		Rear mounting	✓	Red	T0-1-SOND*/V/SVB	907817	✓
		Rear mounting	✓	Black	T0-1-SOND*/V/SVB-SW	908054	✓
		Rear mounting		Red	T0-1-SOND*/Z	907839	✓
	2	Flush mounting		Red	T0-2-SOND*/E	907766	✓
		Flush mounting	✓	Red	T0-2-SOND*/EA/SVB	907777	✓
		Flush mounting	✓	Black	T0-2-SOND*/EA/SVB-SW	908044	✓
		Centre mounting		Red	T0-2-SOND*/EZ	907788	✓
		Surface mounting in size 1 Ci-K Enclosure		Red	T0-2-SOND*/I1	207483	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Red	T0-2-SOND*/I1/SVB	207484	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Black	T0-2-SOND*/I1/SVB-SW	207485	✓
		Service distribution board		Red	T0-2-SOND*/IVS	907807	✓
		Rear mounting	✓	Red	T0-2-SOND*/V/SVB	907818	✓
		Rear mounting	✓	Black	T0-2-SOND*/V/SVB-SW	908055	✓
		Rear mounting		Red	T0-2-SOND*/Z	907840	✓
	3	Flush mounting		Red	T0-3-SOND*/E	907767	✓
		Flush mounting	✓	Red	T0-3-SOND*/EA/SVB	907778	✓
		Flush mounting	✓	Black	T0-3-SOND*/EA/SVB-SW	908045	✓
		Centre mounting		Red	T0-3-SOND*/EZ	907789	✓
		Surface mounting in size 1 Ci-K Enclosure		Red	T0-3-SOND*/I1	207486	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Red	T0-3-SOND*/I1/SVB	207487	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Black	T0-3-SOND*/I1/SVB-SW	207488	✓
		Service distribution board		Red	T0-3-SOND*/IVS	907808	✓
		Rear mounting	✓	Red	T0-3-SOND*/V/SVB	907819	✓
		Rear mounting	✓	Black	T0-3-SOND*/V/SVB-SW	908056	✓
		Rear mounting		Red	T0-3-SOND*/Z	907841	✓
	4	Flush mounting		Red	T0-4-SOND*/E	907768	✓
		Flush mounting	✓	Red	T0-4-SOND*/EA/SVB	907779	✓
		Flush mounting	✓	Black	T0-4-SOND*/EA/SVB-SW	908046	✓
		Centre mounting		Red	T0-4-SOND*/EZ	907790	✓
		Surface mounting in size 1 Ci-K Enclosure		Red	T0-4-SOND*/I1	207489	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Red	T0-4-SOND*/I1/SVB	207490	✓
		Surface mounting in size 1 Ci-K Enclosure	✓	Black	T0-4-SOND*/I1/SVB-SW	207491	✓
		Service distribution board		Red	T0-4-SOND*/IVS	907809	✓
		Rear mounting	✓	Red	T0-4-SOND*/V/SVB	907820	✓
		Rear mounting	✓	Black	T0-4-SOND*/V/SVB-SW	908057	✓
		Rear mounting		Red	T0-4-SOND*/Z	907842	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05 , IEC/EN 60947-3, CE Marking			
UL File No	E36332			
UL CCN	NLRV			
CSA File No	12528			
CSA Class No	3211-05			
NA Certification	UL Listed, CSA Certified			
Degree of protection	IEC; IP65 UL/CSA Type 3R, 12	X	IEC; IP65 UL/CSA Type:-	IEC IP30 UL/CSA Type: None

Non standard Cam switches and Switch-disconnectors

T0 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
20 A	5	Flush mounting		Red	T0-5-SOND*/E	907769	✓
		Centre mounting		Red	T0-5-SOND*/EZ	907791	✓
		Service distribution board		Red	T0-5-SOND*/IVS	907810	✓
		Rear mounting		Red	T0-5-SOND*/Z	907843	✓
	6	Flush mounting		Red	T0-6-SOND*/E	907770	✓
		Centre mounting		Red	T0-6-SOND*/EZ	907792	✓
		Service distribution board		Red	T0-6-SOND*/IVS	907811	✓
		Rear mounting		Red	T0-6-SOND*/Z	907844	✓
	7	Flush mounting		Red	T0-7-SOND*/E	907771	✓
		Centre mounting		Red	T0-7-SOND*/EZ	907793	✓
		Service distribution board		Red	T0-7-SOND*/IVS	907812	✓
		Rear mounting		Red	T0-7-SOND*/Z	907845	✓
	8	Flush mounting		Red	T0-8-SOND*/E	907772	✓
		Centre mounting		Red	T0-8-SOND*/EZ	907794	✓
		Service distribution board		Red	T0-8-SOND*/IVS	907813	✓
		Rear mounting		Red	T0-8-SOND*/Z	907846	✓
	9	Flush mounting		Red	T0-9-SOND*/E	907773	✓
		Centre mounting		Red	T0-9-SOND*/EZ	907795	✓
		Service distribution board		Red	T0-9-SOND*/IVS	907814	✓
		Rear mounting		Red	T0-9-SOND*/Z	907847	✓
	10	Flush mounting		Red	T0-10-SOND*/E	907774	✓
		Centre mounting		Red	T0-10-SOND*/EZ	907796	✓
		Service distribution board		Red	T0-10-SOND*/IVS	907815	✓
		Rear mounting		Red	T0-11-SOND*/Z	907848	✓
	11	Flush mounting		Red	T0-11-SOND*/E	907775	✓
		Centre mounting		Red	T0-11-SOND*/EZ	907797	✓
		Service distribution board		Red	T0-11-SOND*/IVS	907816	✓
		Rear mounting		Red	T0-11-SOND*/Z	907849	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05 , IEC/EN 60947-3, CE Marking			
UL File No	E36332			
UL CCN	NLRV			
CSA File No	12528			
CSA Class No	3211-05			
NA Certification	UL Listed, CSA Certified			
Degree of protection	IEC; IP65 UL/CSA Type 3R, 12	X	IEC; IP65 UL/CSA Type:-	IEC IP30 UL/CSA Type: None

Non standard Cam switches and Switch-disconnectors

T3 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
32 A	1	Flush mounting		Red	T3-1-SOND*/E	907850	✓
		Flush mounting	✓	Red	T3-1-SOND*/EA/SVB	907861	✓
		Flush mounting	✓	Black	T3-1-SOND*/EA/SVB-SW	908080	✓
		Centre mounting		Red	T3-1-SOND*/EZ	907872	✓
		Surface mounting in size 2 Ci-K Enclosure		Red	T3-1-SOND*/I2	207492	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Red	T3-1-SOND*/I2/SVB	207493	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Black	T3-1-SOND*/I2/SVB-SW	207494	✓
		Rear mounting	✓	Red	T3-1-SOND*/V/SVB	907891	✓
		Rear mounting	✓	Black	T3-1-SOND*/V/SVB-SW	908091	✓
		Rear mounting		Red	T3-1-SOND*/Z	907913	✓
	2	Flush mounting		Red	T3-1-SOND*/E	907850	✓
		Flush mounting	✓	Red	T3-1-SOND*/EA/SVB	907861	✓
		Flush mounting	✓	Black	T3-1-SOND*/EA/SVB-SW	908080	✓
		Centre mounting		Red	T3-1-SOND*/EZ	907872	✓
		Surface mounting in size 2 Ci-K Enclosure		Red	T3-1-SOND*/I2	207492	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Red	T3-1-SOND*/I2/SVB	207493	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Black	T3-1-SOND*/I2/SVB-SW	207494	✓
		Rear mounting	✓	Red	T3-1-SOND*/V/SVB	907891	✓
		Rear mounting	✓	Black	T3-1-SOND*/V/SVB-SW	908091	✓
		Rear mounting		Red	T3-1-SOND*/Z	907913	✓
	3	Flush mounting		Red	T3-1-SOND*/E	907852	✓
		Flush mounting	✓	Red	T3-1-SOND*/EA/SVB	907863	✓
		Flush mounting	✓	Black	T3-1-SOND*/EA/SVB-SW	908082	✓
		Centre mounting		Red	T3-1-SOND*/EZ	907874	✓
		Surface mounting in size 2 Ci-K Enclosure		Red	T3-1-SOND*/I2	207498	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Red	T3-1-SOND*/I2/SVB	207499	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Black	T3-1-SOND*/I2/SVB-SW	207500	✓
		Rear mounting	✓	Red	T3-1-SOND*/V/SVB	907893	✓
		Rear mounting	✓	Black	T3-1-SOND*/V/SVB-SW	908093	✓
		Rear mounting		Red	T3-1-SOND*/Z	907915	✓
	4	Flush mounting		Red	T3-1-SOND*/E	907852	✓
		Flush mounting	✓	Red	T3-1-SOND*/EA/SVB	907863	✓
		Flush mounting	✓	Black	T3-1-SOND*/EA/SVB-SW	908082	✓
		Centre mounting		Red	T3-1-SOND*/EZ	907874	✓
		Surface mounting in size 2 Ci-K Enclosure		Red	T3-1-SOND*/I2	207498	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Red	T3-1-SOND*/I2/SVB	207499	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Black	T3-1-SOND*/I2/SVB-SW	207500	✓
		Rear mounting	✓	Red	T3-1-SOND*/V/SVB	907893	✓
		Rear mounting	✓	Black	T3-1-SOND*/V/SVB-SW	908093	✓
		Rear mounting		Red	T3-1-SOND*/Z	907915	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Degree of protection	X	IEC: IP65 UL/CSA Type 3R, 12
Product standards	UL508, CSA - C22-.2 No 14-05 , IEC/EN 60947-3, CE Marking	
UL File No	E36332	
UL CCN	NLRV	
CSA File No	12528	
CSA Class No	3211-05	
NA Certification	UL Listed, CSA Certified	

Non standard Cam switches and Switch-disconnectors

T3 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
32 A	5	Flush mounting		Red	T3-5-SOND*/E	907850	✓
		Flush mounting	✓	Red	T3-5-SOND*/EA/SVB	907861	✓
		Flush mounting	✓	Black	T3-5-SOND*/EA/SVB-SW	908080	✓
		Centre mounting		Red	T3-5-SOND*/EZ	907872	✓
		Surface mounting in size 2 Ci-K Enclosure		Red	T3-5-SOND*/I2	207492	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Red	T3-5-SOND*/I2/SVB	207493	✓
		Surface mounting in size 2 Ci-K Enclosure	✓	Black	T3-5-SOND*/I2/SVB-SW	207494	✓
		Rear mounting	✓	Red	T3-5-SOND*/V/SVB	907891	✓
		Rear mounting	✓	Black	T3-5-SOND*/V/SVB-SW	908091	✓
		Rear mounting		Red	T3-5-SOND*/Z	907913	✓
	6	Flush mounting		Red	T3-6-SOND*/E	907855	✓
		Flush mounting	✓	Red	T3-6-SOND*/EA/SVB	907866	✓
		Flush mounting	✓	Black	T3-6-SOND*/EA/SVB-SW	908085	✓
		Centre mounting		Red	T3-6-SOND*/EZ	907877	✓
		Rear mounting	✓	Red	T3-6-SOND*/V/SVB	907896	✓
		Rear mounting	✓	Black	T3-6-SOND*/V/SVB-SW	908096	✓
		Rear mounting		Red	T3-6-SOND*/Z	907918	✓
	7	Flush mounting		Red	T3-7-SOND*/E	907856	✓
		Centre mounting		Red	T3-7-SOND*/EZ	907878	✓
		Rear mounting		Red	T3-7-SOND*/Z	907919	✓
	8	Flush mounting		Red	T3-8-SOND*/E	907857	✓
		Centre mounting		Red	T3-8-SOND*/EZ	907879	✓
		Rear mounting		Red	T3-8-SOND*/Z	907920	✓
	9	Flush mounting		Red	T3-9-SOND*/E	907858	✓
		Centre mounting		Red	T3-9-SOND*/EZ	907880	✓
		Rear mounting		Red	T3-9-SOND*/Z	907921	✓
	10	Flush mounting		Red	T3-10-SOND*/E	907859	✓
		Centre mounting		Red	T3-10-SOND*/EZ	907881	✓
		Rear mounting		Red	T3-10-SOND*/Z	907922	✓
	11	Flush mounting		Red	T3-11-SOND*/E	907860	✓
		Centre mounting		Red	T3-11-SOND*/EZ	907882	✓
		Rear mounting		Red	T3-11-SOND*/Z	907923	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Degree of protection	X	IEC: IP65 UL/CSA Type 3R, 12
Product standards	UL508, CSA - C22-.2 No 14-05 , IEC/EN 60947-3, CE Marking	
UL File No	E36332	
UL CCN	NLRV	
CSA File No	12528	
CSA Class No	3211-05	
NA Certification	UL Listed, CSA Certified	

Non standard Cam switches and Switch-disconnectors

T5B Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
63 A	1	Flush mounting		Red	T5B-1-SOND*/E	907924	✓
		Flush mounting	✓	Red	T5B-1-SOND*/EA/SVB	907934	✓
		Flush mounting	✓	Black	T5B-1-SOND*/EA/SVB-SW	908106	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5B-1-SOND*/I4	207510	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5B-1-SOND*/I4/SVB	207511	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5B-1-SOND*/I4/SVB-SW	207512	✓
		Rear mounting	✓	Red	T5B-1-SOND*/V/SVB	907950	✓
		Rear mounting	✓	Black	T5B-1-SOND*/V/SVB-SW	908114	✓
		Rear mounting		Red	T5B-1-SOND*/Z	907968	✓
	2	Flush mounting		Red	T5B-2-SOND*/E	907925	✓
		Flush mounting	✓	Red	T5B-2-SOND*/EA/SVB	907935	✓
		Flush mounting	✓	Black	T5B-2-SOND*/EA/SVB-SW	908107	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5B-2-SOND*/I4	207514	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5B-2-SOND*/I4/SVB	207515	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5B-2-SOND*/I4/SVB-SW	207516	✓
		Rear mounting	✓	Red	T5B-2-SOND*/V/SVB	907951	✓
		Rear mounting	✓	Black	T5B-2-SOND*/V/SVB-SW	908115	✓
		Rear mounting		Red	T5B-2-SOND*/Z	907969	✓
	3	Flush mounting		Red	T5B-3-SOND*/E	907926	✓
		Flush mounting	✓	Red	T5B-3-SOND*/EA/SVB	907936	✓
		Flush mounting	✓	Black	T5B-3-SOND*/EA/SVB-SW	908108	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5B-3-SOND*/I4	207518	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5B-3-SOND*/I4/SVB	207519	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5B-3-SOND*/I4/SVB-SW	207520	✓
		Rear mounting	✓	Red	T5B-3-SOND*/V/SVB	907952	✓
		Rear mounting	✓	Black	T5B-3-SOND*/V/SVB-SW	908116	✓
		Rear mounting		Red	T5B-3-SOND*/Z	907970	✓
	4	Flush mounting		Red	T5B-4-SOND*/E	907927	✓
		Flush mounting	✓	Red	T5B-4-SOND*/EA/SVB	907937	✓
		Flush mounting	✓	Black	T5B-4-SOND*/EA/SVB-SW	908109	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5B-4-SOND*/I4	207521	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5B-4-SOND*/I4/SVB	207522	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5B-4-SOND*/I4/SVB-SW	207523	✓
		Rear mounting	✓	Red	T5B-4-SOND*/V/SVB	907953	✓
		Rear mounting	✓	Black	T5B-4-SOND*/V/SVB-SW	908117	✓
		Rear mounting		Red	T5B-4-SOND*/Z	907971	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05, IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV7
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified

Non standard Cam switches and Switch-disconnectors

T5B Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
63 A	5	Flush mounting		Red	T5B-5-SOND*/E	907928	✓
		Flush mounting	✓	Red	T5B-5-SOND*/EA/SVB	907938	✓
		Flush mounting	✓	Black	T5B-5-SOND*/EA/SVB-SW	908110	✓
		Rear mounting	✓	Red	T5B-5-SOND*/V/SVB	907954	✓
		Rear mounting	✓	Black	T5B-5-SOND*/V/SVB-SW	908118	✓
		Rear mounting		Red	T5B-5-SOND*/Z	907972	✓
	6	Flush mounting		Red	T5B-6-SOND*/E	907929	✓
		Flush mounting	✓	Red	T5B-6-SOND*/EA/SVB	907939	✓
		Flush mounting	✓	Black	T5B-6-SOND*/EA/SVB-SW	908111	✓
		Rear mounting	✓	Red	T5B-6-SOND*/V/SVB	907955	✓
		Rear mounting	✓	Black	T5B-6-SOND*/V/SVB-SW	908119	✓
		Rear mounting		Red	T5B-6-SOND*/Z	907973	✓
	7	Flush mounting		Red	T5B-7-SOND*/E	907930	✓
		Flush mounting	✓	Red	T5B-7-SOND*/EA/SVB	907940	✓
		Flush mounting	✓	Black	T5B-7-SOND*/EA/SVB-SW	908112	✓
		Rear mounting	✓	Red	T5B-7-SOND*/V/SVB	907956	✓
		Rear mounting	✓	Black	T5B-7-SOND*/V/SVB-SW	908120	✓
		Rear mounting		Red	T5B-7-SOND*/Z	907974	✓
	8	Flush mounting		Red	T5B-8-SOND*/E	907931	✓
		Flush mounting	✓	Red	T5B-8-SOND*/EA/SVB	907941	✓
		Flush mounting	✓	Black	T5B-8-SOND*/EA/SVB-SW	908113	✓
		Rear mounting	✓	Red	T5B-8-SOND*/V/SVB	907957	✓
		Rear mounting	✓	Black	T5B-8-SOND*/V/SVB-SW	908121	✓
		Rear mounting		Red	T5B-8-SOND*/Z	907975	✓
	9	Flush mounting		Red	T5B-9-SOND*/E	907932	✓
		Rear mounting		Red	T5B-9-SOND*/Z	907976	✓
	10	Flush mounting		Red	T5B-10-SOND*/E	907933	✓
		Rear mounting		Red	T5B-10-SOND*/Z	907977	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05, IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV7
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified

Non standard Cam switches and Switch-disconnectors

T5 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
100 A	1	Flush mounting		Red	T5-1-SOND*/E	907978	✓
		Flush mounting	✓	Red	T5-1-SOND*/EA/SVB	908031	✓
		Flush mounting	✓	Black	T5-1-SOND*/EA/SVB-SW	908126	✓
		Surface mounting in size 5 Ci-K Enclosure		Red	T5-1-SOND*/I4	207524	✓
		Surface mounting in size 5 Ci-K Enclosure	✓	Red	T5-1-SOND*/I4/SVB	207525	✓
		Surface mounting in size 5 Ci-K Enclosure	✓	Black	T5-1-SOND*/I4/SVB-SW	207526	✓
		Rear mounting	✓	Red	T5-1-SOND*/V/SVB	908003	✓
		Rear mounting	✓	Black	T5-1-SOND*/V/SVB-SW	908134	✓
		Rear mounting		Red	T5-1-SOND*/Z	908021	✓
	2	Flush mounting		Red	T5-2-SOND*/E	907979	✓
		Flush mounting	✓	Red	T5-2-SOND*/EA/SVB	907988	✓
		Flush mounting	✓	Black	T5-2-SOND*/EA/SVB-SW	908127	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5-2-SOND*/I4	207527	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5-2-SOND*/I4/SVB	207528	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5-2-SOND*/I4/SVB-SW	207529	✓
		Rear mounting	✓	Red	T5-2-SOND*/V/SVB	908004	✓
		Rear mounting	✓	Black	T5-2-SOND*/V/SVB-SW	908135	✓
		Rear mounting		Red	T5-2-SOND*/Z	908022	✓
	3	Flush mounting		Red	T5-3-SOND*/E	907980	✓
		Flush mounting	✓	Red	T5-3-SOND*/EA/SVB	907989	✓
		Flush mounting	✓	Black	T5-3-SOND*/EA/SVB-SW	908128	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5-3-SOND*/I4	207530	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5-3-SOND*/I4/SVB	207531	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5-3-SOND*/I4/SVB-SW	207532	✓
		Rear mounting	✓	Red	T5-3-SOND*/V/SVB	908005	✓
		Rear mounting	✓	Black	T5-3-SOND*/V/SVB-SW	908136	✓
		Rear mounting		Red	T5-3-SOND*/Z	908023	✓
	4	Flush mounting		Red	T5-4-SOND*/E	907981	✓
		Flush mounting	✓	Red	T5-4-SOND*/EA/SVB	907990	✓
		Flush mounting	✓	Black	T5-4-SOND*/EA/SVB-SW	908129	✓
		Surface mounting in size 4 Ci-K Enclosure		Red	T5-4-SOND*/I4	207533	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Red	T5-4-SOND*/I4/SVB	207534	✓
		Surface mounting in size 4 Ci-K Enclosure	✓	Black	T5-4-SOND*/I4/SVB-SW	207535	✓
		Rear mounting	✓	Red	T5-4-SOND*/V/SVB	908005	✓
		Rear mounting	✓	Black	T5-4-SOND*/V/SVB-SW	908137	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05, IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV7
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified

Non standard Cam switches and Switch-disconnectors

T5 Cam switches

Rated current	Number of contact chambers	Mounting option	Main switch	Handle colour	Part number	Article number	Suitable for export to North America (US and Canada)
100 A	5	Flush mounting		Red	T5-5-SOND*/E	907982	✓
		Flush mounting	✓	Red	T5-5-SOND*/EA/SVB	908991	✓
		Flush mounting	✓	Black	T5-5-SOND*/EA/SVB-SW	908130	✓
		Rear mounting	✓	Red	T5-5-SOND*/V/SVB	908007	✓
		Rear mounting	✓	Black	T5-5-SOND*/V/SVB-SW	908138	✓
		Rear mounting		Red	T5-5-SOND*/Z	908025	✓
	6	Flush mounting		Red	T5-6-SOND*/E	907983	✓
		Flush mounting	✓	Red	T5-6-SOND*/EA/SVB	908992	✓
		Flush mounting	✓	Black	T5-6-SOND*/EA/SVB-SW	908131	✓
		Rear mounting	✓	Red	T5-6-SOND*/V/SVB	908008	✓
		Rear mounting	✓	Black	T5-6-SOND*/V/SVB-SW	908139	✓
		Rear mounting		Red	T5-6-SOND*/Z	908026	✓
	7	Flush mounting		Red	T5-7-SOND*/E	907984	✓
		Flush mounting	✓	Red	T5-7-SOND*/EA/SVB	908993	✓
		Flush mounting	✓	Black	T5-7-SOND*/EA/SVB-SW	908132	✓
		Rear mounting	✓	Red	T5-7-SOND*/V/SVB	908009	✓
		Rear mounting	✓	Black	T5-7-SOND*/V/SVB-SW	908140	✓
		Rear mounting		Red	T5-7-SOND*/Z	908027	✓
	8	Flush mounting		Red	T5-8-SOND*/E	907985	✓
		Flush mounting	✓	Red	T5-8-SOND*/EA/SVB	908994	✓
		Flush mounting	✓	Black	T5-8-SOND*/EA/SVB-SW	908133	✓
		Rear mounting	✓	Red	T5-8-SOND*/V/SVB	908010	✓
		Rear mounting	✓	Black	T5-8-SOND*/V/SVB-SW	908141	✓
		Rear mounting		Red	T5-8-SOND*/Z	908028	✓
	9	Flush mounting		Red	T5-9-SOND*/E	907986	✓
		Flush mounting	✓	Red	T5-9-SOND*/EA/SVB	908029	✓
		Flush mounting	✓	Black	T5-9-SOND*/EA/SVB-SW	907987	✓
		Rear mounting	✓	Red	T5-9-SOND*/V/SVB	908030	✓

Note: Please use the 'Ordering non-standard contact sequences' order form when ordering for the first time. When placing repeat orders, specifiy the contact sequence number together (e.g. 47110GB).

Product standards	UL508, CSA - C22-.2 No 14-05, IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV7
CSA File No	12528
CSA Class No	3211-05
NA Certification	UL Listed, CSA Certified

Non standard Cam switches and Switch-disconnectors

TM Non-standard switches - SOND-ERSTBESTELLUNG

For new orders with a completed form

Rated current	Number of contact chambers	Mounting option	Main switch	Part number	Article number	Suitable for export to North America (US and Canada)
10 A	1	Flush mounting		TM-1-SOND-ERSTBESTELLUNG/E	208261	✓
	1	Centre mounting		TM-1-SOND-ERSTBESTELLUNG/EZ	208262	✓
	1	Service distribution board		TM-1-SOND-ERSTBESTELLUNG/IVS	225347	✓
	2	Flush mounting		TM-2-SOND-ERSTBESTELLUNG/E	208263	✓
	2	Centre mounting		TM-2-SOND-ERSTBESTELLUNG/EZ	208264	✓
	2	Service distribution board		TM-2-SOND-ERSTBESTELLUNG/IVS	225349	✓
	3	Flush mounting		TM-3-SOND-ERSTBESTELLUNG/E	208265	✓
	3	Centre mounting		TM-3-SOND-ERSTBESTELLUNG/EZ	208266	✓
	4	Flush mounting		TM-4-SOND-ERSTBESTELLUNG/E	208267	✓
	4	Centre mounting		TM-4-SOND-ERSTBESTELLUNG/EZ	208268	✓
	5	Flush mounting		TM-5-SOND-ERSTBESTELLUNG/E	208269	✓
	5	Centre mounting		TM-5-SOND-ERSTBESTELLUNG/EZ	208270	✓
	6	Flush mounting		TM-6-SOND-ERSTBESTELLUNG/E	208271	✓
	6	Centre mounting		TM-6-SOND-ERSTBESTELLUNG/EZ	208272	✓
	7	Flush mounting		TM-7-SOND-ERSTBESTELLUNG/E	208273	✓
	7	Centre mounting		TM-7-SOND-ERSTBESTELLUNG/EZ	208274	✓
	8	Flush mounting		TM-8-SOND-ERSTBESTELLUNG/E	208275	✓
	8	Centre mounting		TM-8-SOND-ERSTBESTELLUNG/EZ	208276	✓

TM Non-standard switches - SOND

For repeat orders for which the design number is already known Form F02 is not required for this purpose. The design number is a six-digit number and must always be greater than 200000.

Rated current	Number of contact chambers	Mounting option	Main switch	Part number	Article number	Suitable for export to North America (US and Canada)
10 A	1	Flush mounting		TM-1-SOND*/E	907749	✓
	2	Flush mounting		TM-2-SOND*/E	907763	✓
	3	Flush mounting		TM-3-SOND*/E	907750	✓
	4	Flush mounting		TM-4-SOND*/E	907751	✓
	5	Flush mounting		TM-5-SOND*/E	907764	✓
	6	Flush mounting		TM-6-SOND*/E	907752	✓
	7	Flush mounting		TM-7-SOND*/E	907753	✓
	8	Flush mounting		TM-8-SOND*/E	907754	✓
	1	Centre mounting		TM-1-SOND*/E	907755	✓
	2	Centre mounting		TM-2-SOND*/EZ	907756	✓
	3	Centre mounting		TM-3-SOND*/EZ	907757	✓
	4	Centre mounting		TM-4-SOND*/EZ	907758	✓
	5	Centre mounting		TM-5-SOND*/EZ	907759	✓
	6	Centre mounting		TM-6-SOND*/EZ	907760	✓
	7	Centre mounting		TM-7-SOND*/EZ	907761	✓
	8	Centre mounting		TM-8-SOND*/EZ	907762	✓
	1	Service distribution board		TM-1-SOND*/IVS	225346	✓
	2	Service distribution board		TM-2-SOND*/IVS	225348	✓

Product standards	UL508, CSA - C22-.2 No 14-05, IEC/EN 60947-3, CE Marking
UL File No	E36332
UL CCN	NLRV, NLRV7
CSA File No	UL report applies to both US and Canada
CSA Class No	-
NA Certification	UL report applies to both US and Canada
Degree of protection	IEC: IP65, UL/CSA Type: -

Non standard Cam switches and Switch-disconnectors

Ordering of non standard contact sequences

T..... - ..... - ..... / ..... + ...

Switch size	Number of contacts units (2 contacts per contact unit)	
	Max units	Contacts max.
T0	11	22
T3	11	22
T5B	10	20
T5	10	20
TM	8	16

Contact sequence number

With country ID corresponding to the country of manufacture.
Send completed forms (as shown page 175) if ordering for the first time. The contact sequence number is specified by the supplying factory. Specifying the part no is enough when placing repeat orders.

Mounting form

- Flush mounting: /E
- Centre mounting: /EZ (for T0, T3)
- Surface mounting: /I[1]
- Service distribution board mounting: /IVS (for T0)
- Rear mounting: /Z
- Flush mounting main switch EA/SVB[2]
- Surface mounting main switch: I../SVB
- Rear mounting main switch: /V/SVB[2]
- Designs for: TM: /E/EZ or /IVS

Accessories

Always specify completely for every order

For TM.../EZ only +EZ/S possible

Contact sequence
The adjacent form makes it easier to specify the contact sequence.

Switching angle
30, 45, 60, 90°
Preferred angle: 60°
For On-Off switches: 90°
For main switches: 90° as FS 908
Changeover with interruption between 2 positions (ON-OFF-ON) not permissible for T0, T3 and TM = 30°, 45°; for T5 (T5B) = 30°
Star delta switch only with switching angle ≥ 60°

Terminal marking
TM switches have consecutive terminal markings starting with 1.

Automatic (spring) return
The switching action is limited by a stop. The switch returns under spring pressure to the last position. Where a switch has Automatic (spring) return from both directions, a maximum of max. 3 positions can be traversed.
The Automatic (spring) return angle is ≤½ switching angle. A max of 6 contacts can be returned at the same time.
The switching angle of Automatic (spring) return TM mini rotary switch must be ≥ 60°.

Fleeting contacts
The duration of the fleeting contact depends primarily on the actuation speed. In order to actuate a contactor with a fleeting pulse, the switching angle of the cam switch must not be less than 60°, since the pulse time can be too short if the switching angle is smaller. Fleeting contact elements always cooperate in **both** operating directions.

Complete rotation
Only possible with a total switching angle at 360° the direction of switching can be either operating direction. The number of switch position multiplied by the switching angle must be 360°, TM with 12 positions (one every 30°) only available with complete rotation, not with stop.

Front plates
Front plates are part of the equipment supplied with a 'first order of rotary switch' and therefore do **not** need to be ordered separately.

Number of contact units
Number of contact/2 = Round up to nearest whole number
The number chamber = contact unit (BE) has 1 or 2 contacts, each of which is actuated by a cam.
In T5(B) there is a common cam for both contacts. Because of this, the following applies for T5(B): If the total switching angle is **less than 180°**, the contacts can be switched **independently** of each other. With switching angles for greater than or equal to 180°, there can only be 2 contacts in the same chamber, if their switching sequences are the same but are offset by 180° (e.g. TS5-4-8235 step switch)

Standard features
Same as cam switch with standard contact sequence.

Note: It is possible that the order of the contacts is altered due to technical reasons. For special switches, bridges are only possible between an even or uneven number. Other connections must be made by the user installation.

(1)	For T0-.../I1 max 4 contact units For T3.../I2 max 5 contact units
(2)	For T0 up to a max 8 contact = 4 BE For T3: up to a max. of 12 contacts = 6 BE

Non standard Cam switches and Switch-disconnectors

Non-standard contact sequence ordering example

EATON

Binding document for ordering T cam switch combinations for the first time

Order No.:	Item:	Office:	Author:
123456	7	Cologne	HWS

Customer:	Customer no.:	Date:
Sample Company	A4711/2004	29.2.2004

Quantity: 3

Euros/unit:

Switching angle: ☐ 30 ☐ 45 ☐ 60 ☐ 90

Part no.: ☐ TM ☐ T0 ☐ T3 ☐ T5B ☐ T5

Number of contacts: ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7 ☐ 8 ☐ 9 ☐ 10 ☐ 11 ☐ 12 ☐ 13 ☐ 14 ☐ 15 ☐ 16 ☐ 17 ☐ 18 ☐ 19 ☐ 20 ☐ 21 ☐ 22

Mounting form: ☐ E ☐ EA/SVB ☐ EA/SVB-SW ☐ EZ ☐ I... ☐ I.../SVB ☐ I.../SVB-SW ☐ IVS ☐ V/SVB ☐ V/SVB-SW ☐ Z ☐ + ST-0 ☐ +_____

Max. characters per position

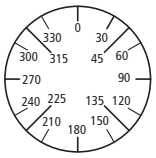
Degrees	TM-E	TM-EZ	TM-IVS	T0(3)	T5(B)
0.18	5	5	6	13	13
30, 210, 330	8	7	4	8	8
45, 135, 225, 315	6	5	4	6	7
60, 120, 240, 300	5	5	3	5	7
90, 270	5	4	1	4	7
150	4	4	4	8	8

Front plate no.

FS _____

○ Complete rotation

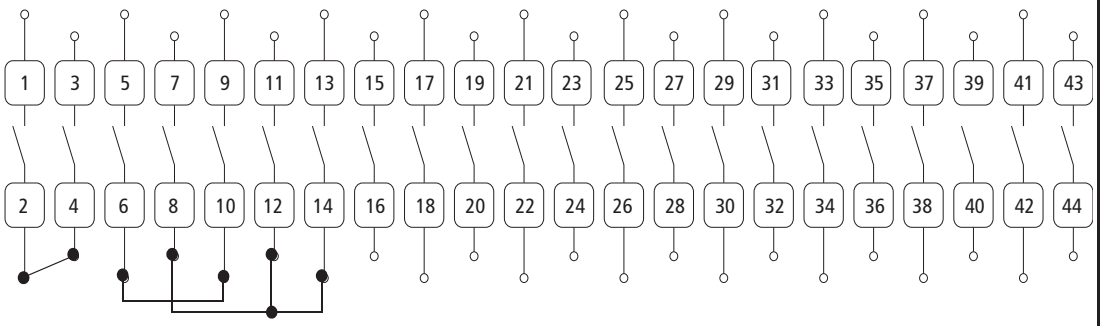
○ Automatic spring-return



Inscription

Contact units

1 2 3 4 5 6 7 8 9 10 11



Degrees			1 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 30	31 32	33 34	35 36	37 38	39 40	41 42	43 44
270	1	X	X	X	X	X	X		X															
300																								
315																								
330	2	X		X	X					X														
0								X																
30	3	X				X	X																	
45																								
60	4										X													
90																								
120																								
135																								
150																								
180																								
210																								
225																								
240																								
			Contact only closed in position 1	Switching with interruption of contact	Switching without interruption of contact	Contact closed in positions 1 + 3	Contact closed in positions 1 to 3	Fleeting contact (only with 60° or 90°)	Late-break contact	Early-make contact	Contact with automatic spring-return													

Key withdrawability for ..S-T0 and SVA-T3:

Pos. 1: Key withdrawable
Pos. 2: Key withdrawable
Pos. 3: Key withdrawable
Pos. 4: Key not withdrawable

} In the case of SVA-T3, the unit can still be switched between positions 1 and 2 if the key has been removed..

Key withdrawable X

Part no. for repeat orders (to be filled in by factory) T _____

Non standard Cam switches and Switch-disconnectors

Binding document for initial orders for T rotary switch combinations

Order number:		Item:		Office:	Name:
Customer:				Customer number:	Date:

Note:

The number of possible contacts, as well as the possible combinations with mounting forms are shown in the Main Catalogue.

Quantity:

Euro/each:

Switching angle: ☐ 30 ☐ 45 ☐ 60 ☐ 90

Type: ☐ TM ☐ T0 ☐ T3 ☐ T5B ☐ T5

No. of contacts:

☐ 1	☐ 12	☐ E	
☐ 2	☐ 13	☐ EA/SVB	☐ EA/SVB-SW
☐ 3	☐ 14	☐ EZ	
☐ 4	☐ 15	☐ I…	
☐ 5	☐ 16	☐ I…/SVB	☐ I…/SVB-SW
☐ 6	☐ 17	☐ IVS	
☐ 7	☐ 18	☐ V/SVB	☐ V/SVB-SW
☐ 8	☐ 19	☐ XZ	
☐ 9	☐ 20	☐ Z	
☐ 10	☐ 21	☐ +	
☐ 11	☐ 22	☐ +	

Mounting form:

Max. characters per switching angle on FS plate

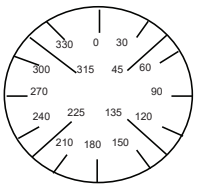
Degrees	TM-E	TM-EZ	TM-IVS	T0(3)	T5(B)
0	5	5	6	13	13
30, 210, 330	8	7	4	8	8
45, 135, 225, 315	6	5	4	6	7
60, 120, 240, 300	5	5	3	5	7
90, 270	5	4	1	4	7
150	4	4	4	8	8
180	5	5	6	7	13

Front plate no.

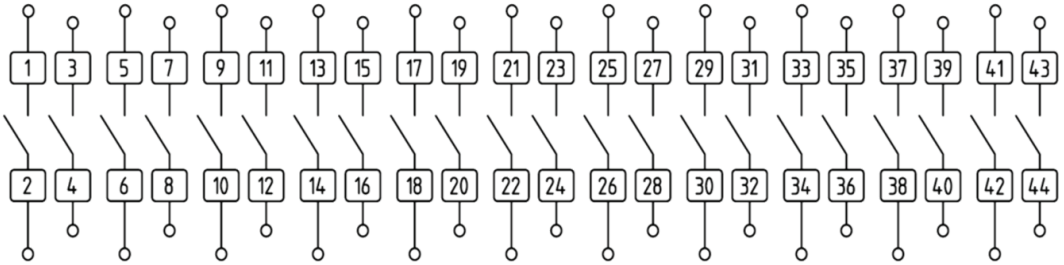
FS _____

☐ Complete rotation

☐ Spring-return



Contact units



Degrees	Inscription		1 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28	29 30	31 32	33 34	35 36	37 38	39 40	41 42	43 44
270																								
300																								
315																								
330																								
0																								
30																								
45																								
60																								
90																								
120																								
135																								
150																								
180																								
210																								
225																								
240																								

Key withdrawable ☐

Type for re-ordering (to be filled in by factory) T _____

Non standard Cam switches and Switch-disconnectors

Binding document for initial orders of non-standard front plates

Order number:		**Item:**	
Office:		**Name:**	
Customer:		**Customer number:**	
Quantity:		**Euro/each:**	**Date:**

Non-Standard Front Plates

Inscription:

Front plate with black lettering

Insert Text

Note: The maximum number of characters allowed outside the marked areas!

Type **Non-standard front plate T0, T3 or P1**
FS-SOND-ERSTBESTELLUNG-T0
(SAP-Nr: 225355)

Height of letters	**≤ 2 characters**	**4 mm**
	≥ 2 characters	**3 mm**

Type **Non-standard front plate T5B, T5 or P3**
FS-SOND-ERSTBESTELLUNG-P3
(SAP-Nr: 225356)

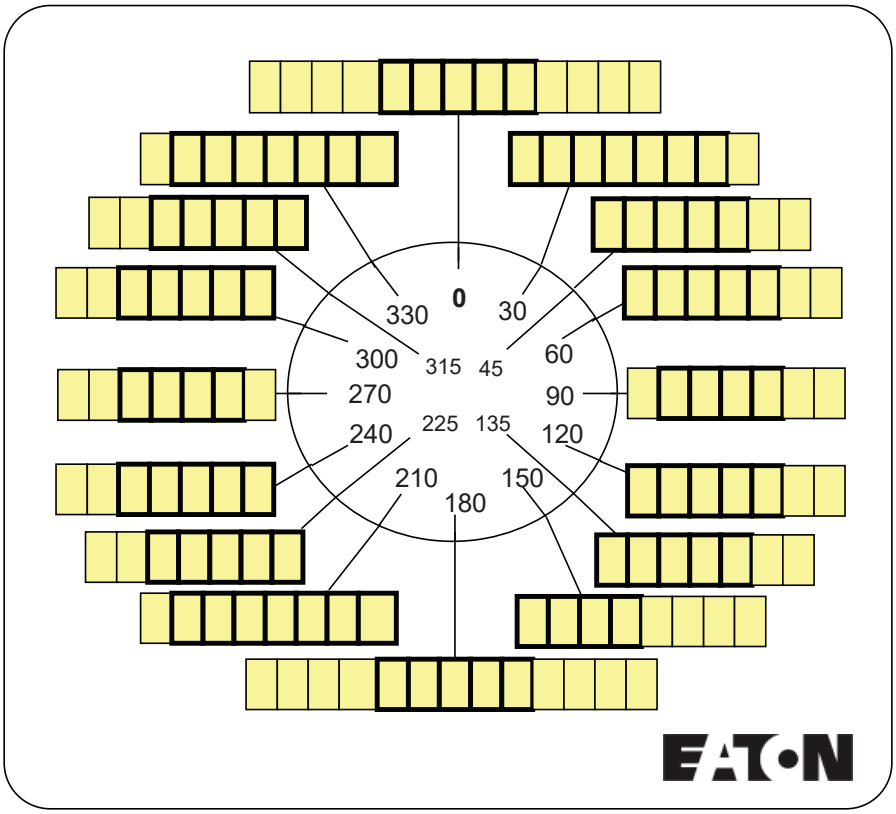
Height of letters	**≤ 2 characters**	**8 mm**
	≥ 2 characters	**5 mm**

Type **Non-standard front plate TM/E**
TM/E-FRONTSCHILD-NR(*)
(SAP-Nr: 239021)

Type **Non-standard front plate TM/EZ**
TM/EZ-FRONTSCHILD-NR(*)
(SAP-Nr: 239022)

Height of letters	**≤ 2 characters**	**3,5 mm**
	≥ 2 characters	**3 mm**

The text is always centered in the text box



For P1 and P3 complete only the 270° and 0° positions

Maximal numbers of characters possible position

Degrees	TM-E	TM-EZ	T0/P1	T5/P3
0	5	5	13	13
30, 210, 330	8	7	8	8
45, 135, 225, 315	6	5	6	7
60, 120, 240, 300	5	5	5	7
90, 270	5	4	4	7
150	4	4	8	8
180	5	5	7	13

Dimensions

Type	Size of front plate
TM-…/E	29 x 29 mm (for frame size 30 x 30)
TM-…/EZ	29 x 29 mm (for frame size 30 x 30)
T0, T3, P1	45 x 45 mm (for frame size 48 x 48)
T5B, T5, P3	84 x 84 mm (for frame size 88 x 88)

Type for re-ordering (to be fill in by factory) **FS**

Standards

P Switch-disconnectors standards

					Degree of protection				UL CCN			
Product group	**IEC 60947-1**	**IEC 60947-3**	**CE Marking**	**UKCA Marking**	**IEC**	**UL/ CSA**	**NA Certification**	**UL FILE No.**	**NLRV**	**NLRV7**	**UL 489**	**UL 508**
P1 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - .../M4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /I1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /I1H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P1 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - .../... -SI(-SW)	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P1 - ... /SE1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /E	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /Z	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /M4	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /IVS	✓	✓	✓	✓	IP30	1	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /I3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /I4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - ... /I5	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X
P3 - .../... -SI	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3 - ... /SE3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X
P3-30/...-MCS	X	X	X	X	X	X	X	X	X	X	✓	X
P5 - ... /E	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	X	✓
P5 - ... /Z	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	X	✓
P5 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	12	UL Listed, CSA Certified	E36332	✓	✓	X	✓

Notes:

All switch-disconnectors comply to IEC 62061-1

All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

P Switch-disconnectors standards

				CSA Class No.							Suitable for	
Product group	**UL 60947-1**	**UL 60947-4-1**	**CSA FILE No.**	**3211-25**	**3211-05**	**CSA 60947-1-13**	**CSA 60947-4-1-14**	**CSA C22.2 No. 0-10**	**CSA 22.2 14-10**	**CSA 22.2 14-13**	**Branch circuits**	**Motor disconnect**
P1 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - .../M4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P1 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	X
P1 - ... /I1	X	X	X	X	X	X	X	X	X		X	X
P1 - ... /I1H	X	X	X	X	X	X	X	X	X	X	X	X
P1 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓		✓	✓	✓
P1 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
P1 - .../... -SI(-SW)	X	X	X	X	X	X	X	X	X	X	X	X
P1 - ... /SE1	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /M4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	
P3 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /I3	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /I4	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - ... /I5	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
P3 - .../... -SI	X	X	X	X	X	X	X	X	X	X	X	X
P3 - ... /SE3	X	X	X	X	X	X	X	X	X	X	X	X
P3-30/...-MCS	X	X	X	X	X	X	X	X	X	X	X	X
P5 - ... /E	X	X	223805	X	✓	X	X	X	✓	X	✓	✓
P5 - ... /Z	X	X	223805	X	✓	X	X	X	✓	X	✓	✓
P5 - ... /SVB(-SW)	X	X	223805	X	✓	X	X	X	✓	X	✓	✓

Notes:

All switch-disconnectors comply to IEC 62061-1

All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

T Rotary cam switch-disconnectors standards

					Degree of protection				UL CCN		
Product group	**IEC 60947-1**	**IEC 60947-3**	**CE Marking**	**UKCA Marking**	**IEC**	**UL/ CSA**	**NA Certification**	**UL FILE No.**	**NLRV**	**NLRV7**	**UL 508**
TM - ... /E	✓	✓	✓	✓	IP65	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
TM - ... /EZ	✓	✓	✓	✓	IP65	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
TM - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, Certified for UL use in Canada	E36332	✓	X	✓
T0 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /I1	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /I1H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T0 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T0 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T3 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X
T5(B) - ... /E	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /Z	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /I	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T5(B) - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X
T6 - ... /E	✓	✓	✓	✓	IP65	X	Contact BuleTechnical@Eaton.com for more information	X	X	X	X
T6 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	X		X	X	X	X
T6 - ... /I45	✓	✓	✓	✓	IP65	X		X	X	X	X
T8 - ... /E	✓	✓	✓	✓	IP65	X-		X	X	X	X
T8 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	X		X	X	X	X
T6 - ... /I48	✓	✓	✓	✓	IP65	X		X	X	X	X

Notes:

All switch-disconnectors comply to IEC 62061-1

All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

T Rotary cam switch-disconnectors standards

				CSA Class No.							Suitable for	
Product group	**UL 60947-1**	**UL 60947-4-1**	**CSA FILE No.**	**3211-25**	**3211-05**	**CSA 60947-1-13**	**CSA 60947-4-1-14**	**CSA C22.2 No. 0-10**	**CSA 22.2 14-10**	**CSA 22.2 14-13**	**Branch circuits**	**Motor disconnect**
TM - ... /E	X	X	UL report applies to both US and Canada	X	X	X	X	X	✓	X	X	X
TM - ... /EZ	X	X		X	X	X	X	X	✓	X	X	X
TM - ... /IVS	X	X		X	X	X	X	X	✓	X	X	X
T0 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /IVS	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	X
T0 - ... /I1	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /I1H	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T0 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
T0 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /EZ	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /I2	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T3 - ... /I2H	X	X	X	X	X	X	X	X	X	X	X	X
T5(B) - ... /E	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /Z	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /I	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T5(B) - ... /SVB(-SW)	✓	✓	012528	✓	✓	✓	✓	✓	X	✓	✓	✓
T6 - ... /E	X	X	X	X	X	X	X	X	X	X	X	X
T6 - ... /SVB(-SW)	X	X	X	X	X	X	X	X	X	X	X	X
T6 - ... /I45	Contact buletechnical@eaton.com for more information											
T8 - ... /E												
T8 - ... /SVB(-SW)												
T6 - ... /I48												

Notes:

All switch-disconnectors comply to IEC 62061-1

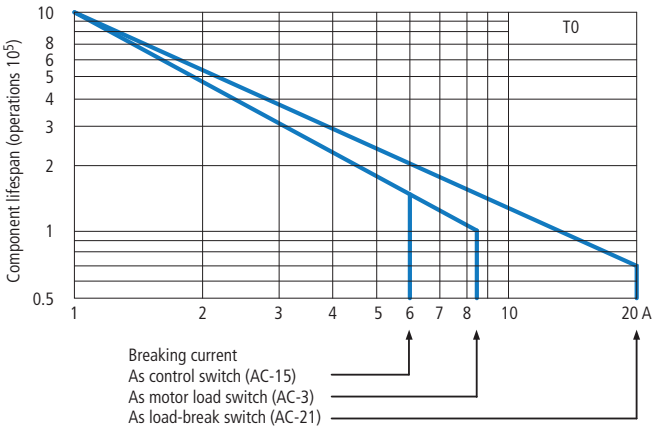
All switch-disconnectors with emergency switch off/emergency stop function comply to IEC 60204-1

Characteristic curves

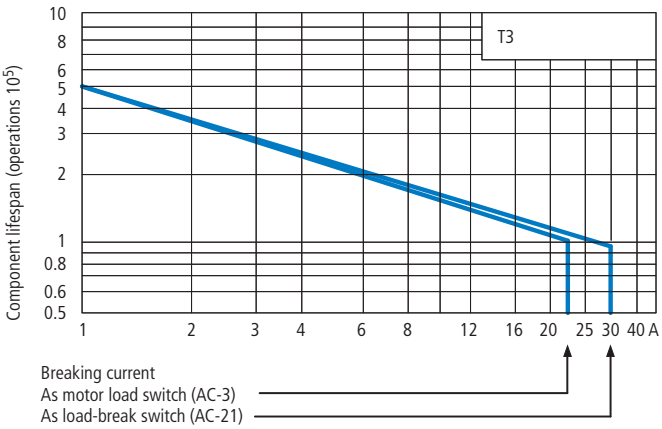
Component lifespan based on breaking current and utilisation category AC-3 and AC-21 at 400 V a.c., AC-15 at 230 V.

To ensure a reasonable service life in utilisation category AC-4 (extreme load: 100% inching, reversing or plug braking) the motor's standstill current must not exceed the rated operational current of the switch AC-21A.

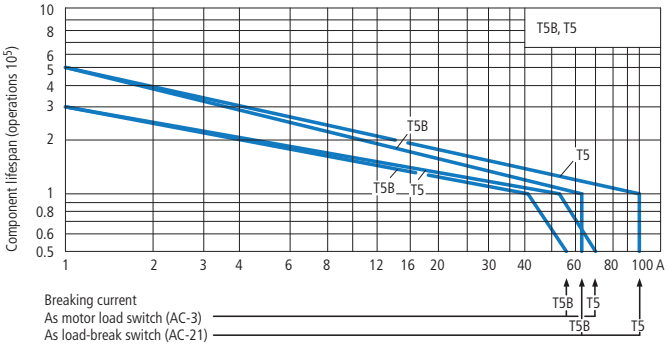
T0 - Characteristic curve



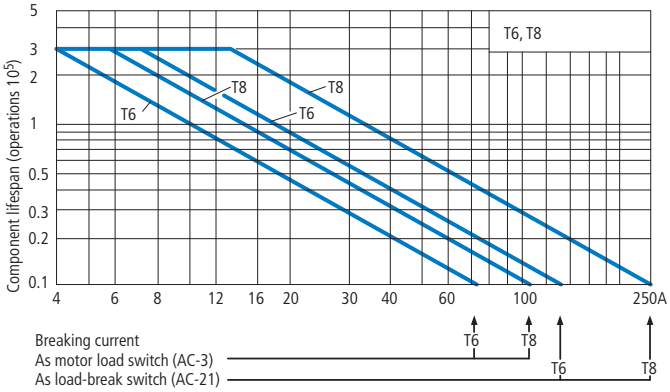
T3 - Characteristic curve



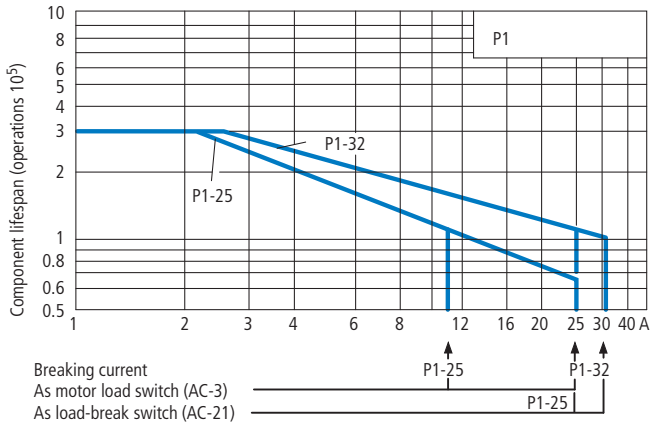
T5, T5B - Characteristic curve



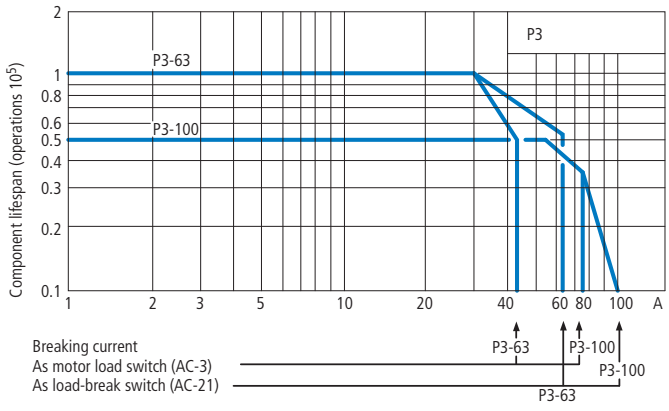
T6, T8 - Characteristic curve



P1 - Characteristic curve



P3 - Characteristic curve



Technical data

P1 and P3 Switch-disconnectors

				P1-25	P1-32	P1-40	P3-63	P3-100
General								
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, switch-disconnector to IEC/EN 60947-3		IEC/EN 60947, IEC/EN 60204	IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, switch-disconnector to IEC/EN 60947-3	
Lifespan mechanical		Operations	x 10^6	0.3	0.3	0.3	0.1	0.1
Maximum operating frequency		Operations/h		50	50	50	50	50
Climatic proofing				Damp heat, constant to IEC 60068-2-78 Damp heat, cyclical to IEC 60068-2-30				
Ambient temperature (for derating information contact buletechnical@eaton.com)	Open		°C	-25 - 50	-25 - 50	-25 - 50	-25 - 50	-25 - 50
	Enclosed		°C	-25 - 40	-25 -40	-25 - 40	-25 - 40	-25 - 40
Mounting position				Any	Any	Any	Any	Any
Mechanical shock resistance (IEC/EN 600068-2-27)	Half-sinusoidal shock 20 ms		g	15	15	15	15	15
Contacts								
Rated operational voltage		U_e	V A C	690	690	690	690	690
Rated impulse withstand voltage		U_{imp}	V A C	6000	6000	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3	III/3
Rated uninterrupted current		I_u	A	25	32	40	63	100
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	1.3	1.3	1.3	1.3	1.3
	AB 40% DF		x I_e	1.6	1.6	1.6	1.6	1.6
	AB 25% DF		x I_e	2	2	2	2	2
Short-circuit rating	Fuse		A gG/gL	25	50	50	80	100
Rated conditional short-circuit current	Load side	I_q	kA	50	80	80	4	4
	Supply side	I_q	kA	-	-	-	100	80
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	640	640	640	1260	1260
Isolating characteristics to IEC/EN 60947			V AC	≤ 690	≤ 690	≤ 690	≤ 690	≤ 690
Safe isolation according to EN 61140								
Safe isolation to VDE 0106 Part 101 and Part 101 A1 between the auxiliary contacts and main circuits			VAC	440	440	440	440	440
Switching angle			°	90	90	90	90	90
Contacts			Number	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)
Current heat loss per contact at I_e			W	1.1	1.8	1.9	4.5	7.5
Terminal capacity								
Solid or stranded			mm^2	1 x (1.5-6) 2 x (1.5-6)	1 x (1.5-6) 2 x (1.5-6)	1 x (1.5-10) 2 x (1.5-10)	1 x (2.5-35) 2 x (2.5-10)	1 x (2.5-35) 2 x (2.5-10)
Flexible with ferrule to DIN 46228			mm^2	1 x (1-4) 2 x (1-4)	1 x (1-4) 2 x (1-4)	1 x (1-4) 2 x (1-4)	1 x (1.5-25) 2 x (1.5-6)	1 x (1.5-25) 2 x (1.5-6)
Fork terminal				-	-	1 x (1.5-10) 2 x (1.5-10)	-	-
Terminal screw				M4	M4	M4	M5	M5
Tightening torque			Nm	1.6	1.6	1.6	3	3
Switching capacity								
AC Voltage								
Rated making capacity cos φ = 0.35 *P1-40 φ = 0.45			A	240	320	360*	800	950
Rated breaking capacity, motor load switch cos φ = 0.35 *P1-40 φ = 0.45	230 V		A	190	260	X	640	760
	400/415 V		A	150	300	290*	600	740
	500 V		A	170	290	X	590	880
	690 V		A	150	250	130*	340	520
Rated operational current 440V, load-break switch AC-21A		I_e	A	25	32	40	63	100
AC-3 motor load switch motor load	230 V	P	kW	5.5	7.5	7.5	15	22
	400/415 V	P	kW	7.5	13	15	30	37
	500 V	P	kW	7.5	18.5	X	30	45
	690 V	P	kW	7.5	15	15	30	37

Notes: Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft. Rated uninterrupted current Iu is specified for max cross-section. For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.

Technical data

P1 and P3 Switch-disconnectors

					P1-25	P1-32	P1-40	P3-63	P3-100
Switching capacity									
AC-23A motor load switch motor load	230 V		P	kW	7	8.5	11	18.5	30
	400/415 V		P	kW	13	15	22	30	50
	500 V		P	kW	11	18.5	X	37	65
	690 V		P	kW	11	18.5	18.5	30	45
DC Voltage									
DC-1, load switch L/R = 1 ms		Rated operational current	I_e	A	25	32	X	63	100
		Voltage per contact connected in series		V	60	60	X	60	60
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current	I_e	A	25	25	X	50	50
		Contacts		Number	1	1	X	1	1
	48 V	Rated operational current	I_e	A	25	25	X	50	50
		Contacts		Number	2	2	X	2	2
	60 V	Rated operational current	I_e	A	25	25	X	50	50
		Contacts		Number	3	3	X	3	3
	120 V	Rated operational current	I_e	A	12	12	X	25	25
		Contacts		Number	3	3	X	3	3
Rating data for approved types UL File No E36332 (Devices for world markets IEC, UL/CSA)									
Contacts									
Rated operational voltage U_e				V a.c.	600	600	600	600	600
Rated operational current I_u	Rated current			A	20	30	40	60	100
	Pilot duty				A 600 P 600	A 600 P 600	A 600 P 600	-	-
Switching capacity									
AC-3: max, rated power, 40-60 Hz AC motors									
	3-phase		200 V a.c.	HP	5	7½	X	15	20
			230 V a.c.	HP	5	10	X	15	25
			460 V a.c.	HP	10	20	X	40	60
			575 V a.c.	HP	15	25	X	50	75
	Single-phase		200 V a.c.	HP	1½	2	X	3	5
			230 V a.c.	HP	3	3	X	7½	10
			460 V a.c.	HP	3	5	X	10	15
Short-circuit rating									
	Standard		600 V a.c.	kA	5	5	5	10	10
	With back-up fuse			A	110	110	110	150	150
	With circuit-breakers			Part no.	NZMH6	NZMH6	NZMH6	NZMH6	NZMH6
	Current setting			A	125	125	125	125	125
Disconnect in motor circuits			600 V a.c.	kA	10	10	10	10	-
	With back-up fuse			Class	50 A/J	50 A/J	50 A/J	100 A	100 A
Terminal capacity									
Terminal capacity									
	Cu cable		Min./	AWG	14	14	14	14	14
			Max	AWG	8	8	8	2	2
Tightening torque			Max	in-lb	14.1	14.1	14.1	26.5	26.5
					H1 11				
Auxiliary contacts (1 N/O + 1 N/C)									
Pilot duty					P 600				
Heavy pilot duty					A 600				
General use					10 A - 600 V AC				

Technical data

P5 Switch-disconnectors

				P5-125	P5-160	P5-250	P5-315
General							
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch-disconnector to IEC/EN 60947-3			
Lifespan mechanical		Operations	x 10^6	0.1	0.1	0.08	0.08
Maximum operating frequency		Operations/h		50	50	50	50
Climatic proofing				Damp heat, constant to IEC 60068-2-78 Damp heat, cyclical to IEC 60068-2-30			
Ambient temperature (for derating information contact buletechnical@eaton.com)	Open		°C	-25 - 50	-25 - 50	-25 - 50	-25 - 50
	Enclosed		°C	-25 - 40	-25 -40	-25 - 40	-25 - 40
Mounting position				Any	Any	Any	Any
Contacts							
Rated operational voltage		U_e	V A C	690	690	690	690
Rated impulse withstand voltage		U_{imp}	V A C	8000	8000	8000	8000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3
Rated uninterrupted current		I_u	A	125	160	250	315
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	1.3	1.3	1.3	1.3
	AB 40% DF		x I_e	1.6	1.6	1.6	1.6
	AB 25% DF		x I_e	2	2	2	2
Short-circuit rating	Fuse		A gG/gL	125	160	250	315
Rated conditional short-circuit current	Load side	I_q	kA	30	30	30	15
	Supply side	I_q	kA	-	-	-	-
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	2500	3000	4600	5800
Isolating characteristics to IEC/EN 60947			V AC	≤ 690	≤ 690	≤ 690	≤ 690
Safe isolation according to EN 61140							
Safe isolation to VDE 0106 Part 101 and Part 101 A1 between the auxiliary contacts and main circuits			VAC	440	440	440	440
Switching angle			°	90	90	90	90
Contacts			Number	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)	Max. 3 (+N)
Current heat loss per contact at I_e			W	8	10	13	16
Terminal capacity							
Solid or stranded			mm^2	1 x (10-95) 2 x (10-35)	1 x (10-95) 2 x (10-35)	1 x (16-185) 2 x (16-70)	1 x (10-95) 2 x (10-35)
Copper strip. 1 flat conductor	Number of layers x width x thickness		mm	6 x 9 x 0.8	-	6 x 20 x 1	-
Copper strip. 2 flat conductors			mm	-	6 x 9 x 0.8	-	6 x 20 x 1
Flexible with ferrule to DIN 46228			mm^2	1 x (16-70) 2 x (16-25)	1 x (16-70) 2 x (16-25)	1 x (25-120) 2 x (25-50)	1 x (25-120) 2 x (25-50)
Terminal screw				Hexagon screw 5		Hexagon screw 6	
Tightening torque			Nm	14	14	16	16
	400/415 V	P	kW	13	15	30	50
	500 V	P	kW	11	18.5	37	65
	690 V	P	kW	11	18.5	30	45

Notes: Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft.
Rated uninterrupted current Iu is specified for max cross-section.
For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.

P5 Switch-disconnectors

						P5-125	P5-160	P5-250	P5-315
Switching capacity									
AC Voltage									
Rated making capacity cos φ = 0.35					A	850	1050	1700	2050
Rated breaking capacity, motor load switch cos φ = 0.35		230 V			A	800	900	1600	1800
		400/415 V			A	750	850	1380	1650
		500 V			A	650	850	1250	1550
		690 V			A	340	340	400	400
Rated operational current 440V, load-break switch AC-21A			I_e		A	125	160	250	315
AC-3 motor load switch motor load		230 V	P		kW	22	30	37	45
		400 V	P		kW	37	45	55	75
		690 V	P		kW	30	37	45	45
AC-23A motor load switch motor load		230 V	P		kW	30	30	37	55
		400 V	P		kW	45	55	90	110
		690 V	P		kW	37	37	45	45
DC Voltage									
DC-1, load switch L/R = 1 ms		Rated operational current	I_e		A	125	160	250	315
		Voltage per contact connected in series			V	42	42	42	42
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current	I_e		A	125	160	250	315
		Voltage per contact connected in series			Number	3	3	3	3
	48 V	Rated operational current	I_e		A	125	160	250	315
		Contacts			Number	3	3	3	3
	60 V	Rated operational current	I_e		A	125	160	250	315
		Contacts			Number	3	3	3	3
	120 V	Rated operational current	I_e		A	125	160	250	315
		Contacts			Number	3	3	3	3

Notes: Main switch characteristics to IEC/EN 60204; positive opening of contacts, operator element positively located on shaft.
Rated uninterrupted current Iu is specified for max cross-section.
For terminal capacity solid, stranded and flexible: Max. 2 cross-section sizes difference admissible when using 2 conductors.

				HI...-P1(P3)...	HI...-P5...
Auxiliary contacts					
Standards	Control circuit isolator to IEC/EN 60947-5				
Rated insulation voltage	U_i	V AC		500	500
Rated uninterrupted current	I_U	A		10	10
Rated operational current					
AC-15 at 230 V	I_e	A		6	6
400 V / 415 V	I_e	A		-	-
DC-13					
125 V	I_e	A		1.1	0.23
250 V	I_e	A		0.55	0.1
Short-circuit training					
Max fuse	A	gG/gL		10	10
Terminal capacity					
Solid			mm^2	1 x 0.75 - 2.5 2 x 0.75 - 1.5	1 x 0.75 - 2.5 2 x 0.75 - 1.5
Flexible with ferrule to DIN 46228			mm^2	1 x 0.5 - 1.5 2 x 0.5 - 1.5	1 x 0.5 - 1.5 2 x 0.5 - 1.5
Tightening torque			Nm	0.6	0.8
Control circuit reliability at 24 V d.c., 10 mA			H_F	< 10-5, < 1 failure for 100,000 switching operations	

P5 Switch-disconnectors

					P5-125	P5-160	P5-250	P5-315
Rating data for approved types UL File No E36332								
Contacts								
Rated operational voltage			U_e		600	600	600	600
Rated impulse withstand voltage[1]			U_{imp}	V a.c.	8000	8000	8000	8000
Rated uninterrupted current[2]			I_u	A	125	160	250	300
Rated operational current								
Ampere rating	Off switch		I_e	A	125	160	250	300
	Changeover switches		I_e	A	125	160	X	X
Non inductive and slightly inductive loads								
Rated switching duty								
DOL rating (similar to AC-3)								
3-phase, 3-pole								
	120 V			HP	15	20	30	40
	240 V			HP	30	40	60	75
	480 V			HP	60	60	75	100
	600 V			HP	60	60	75	100
Short-circuit rating								
Max back-up fuse, gL characteristics				A	125	160	250	315
Rated short-time withstand current (1s current)				A	2500	3000	4600	5000
Terminal capacity								
Cu cable								
Solid or stranded for box terminal				AWG	3/0	3/0	X	X
				MCM	X	X	350	350
Flexible without ferrule				AWG	2/0	2/0	X	X
				MCM	X	X	300	300
Connection with cable lug or busbar					M10 x	M10 x	M10 x	M10 x
Terminal screw					20	20	20	20
Max. width					20	20	20	20
Max width with terminal cover					25	25	25	25
Ambient temperature	Open on 100% I_U/I_{th}				50°C over 24 hours with peaks up to 55°C			
	Enclosed on 100% I_{the}				35°C over 24 hours with peaks up to 40°c			

(1) Valid for mains with grounded star point, overvoltage category III, pollution degree 3

(2) Valid for connection with cable for 75°C

			HI11	HI21-P5-125(160)	HI21-P5-250(315)
Auxiliary contacts					
Standards					
Rated uninsulated voltage	U_i	V a.c.		600	600
Rated uninterrupted current	I_u	A		10	10
Rated operational current	I_e				
Pilot duty			P600	P600	P600
Heavy pilot duty			A600	A600	A600
General use			10 A - 600 V a.c		
Ampere rating					
Non inductive and slightly inductive loads			-	10	10
Short-circuit rating					
Max. fuse	gL characteristic	A	-	16	16
Terminal capacity					
Solid or stranded		AWG	-	12	12
Flexible without ferrule		AWG	-	14	14

Devices for world markets IEC, UL/CSA

Technical data

TM Mini cam switches

				TM
General				
Standards				IEC/EN 60947, VDE 0660, CSA, UL Control switch to IEC/EN 60947-5-1 Control circuit isolators to IEC/EN 60947-5-1
Control circuit isolator (IEC/EN 60947-5-1)				Max 6 contacts, switching angle 90°
Lifespan mechanical		Operations	x 10^6	>1
Maximum operating frequency		Operations/h		3000
Climatic proofing				Damp heat. constant to IEC 60068-2-78; Damp heat, cyclic to IEC 60068-2-30
Ambient temperature (for derating information contact buletechnical@eaton.com)		Open	°C	-25 -50
		Enclosed	°C	-25 -40
Mounting position				Any
Contacts				
Mechanical data				
Contacts			Number	Max. 16
Contacts units (BE)				Max 8
Switching angle			°	90, 60, 45, 30
Smallest switching angle for ON-OFF-ON			°	60
Max switch position			≤	≤12
Electrical characteristics				
Rated operational voltage		U_e	V a.c.	500
Rated impulse withstand voltage		U_{imp}	V a.c.	4000
Overvoltage category/pollution degree				III/3
Rated insulation voltage		Ui	V a.c.	500
Rated insulation voltage to UL/CSA			V a.c.	300
Rated conditional short-circuit current	Load side	I_q	kA	0
	Supply side	I_q	kA	-
Rated uninterrupted current		I_u	A	10
Switching capacity				
AC-23 motor load switch	230 V a.c.	3-pole	kW	1.8
	440 V a.c.	3-pole	kW	3
	230 V a.c.	1-pole	kW	0.75
	440 V a.c.	1-pole	kW	1.1
AC-15 control switch	230 V a.c.	1-pole	A	2.5
	400 V a.c.	1-pole	A	1.5
	440 V a.c.	1-pole	A	1
DC-13, control switch L/R = 50 ms	Rated operational current I_e		I_e A	3
	Voltage per contact connected in series		V	32
Switching capacity (UL489, CSA 22.2 No 5.1)	240 V a.c.	3-pole	HP	1
	277 V a.c.	1-pole	HP	¾
	300 V a.c.	Heavy-duty	A	10
Max short-circuit protection device				
Fuse		A	gG/gL	10
Terminal capacity				
Solid or stranded			mm^2	1 x 1.5 2 x 1.5
Flexible without ferrule			mm^2	1 x 1.5 2 x 1.5
Solid or stranded			AWG	1 x 14 2 x 14
Flexible			AWG	1 x 16 2 x 16
Terminal screw				M2.5
Tightening torque			Nm	0.35

Technical data

T0, T3, T5B, T5 Cam switch-disconnectors

				T0-...	T3-...	T5B-...	T5-...
General							
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch-disconnector to IEC/EN 60947-3 Load break switch according to IEC/EN60947-3			
Lifespan mechanical		Operations	x 10^6	0.5	0.5	0.5	0.5
Maximum operating frequency		Operations/h		3000	3000	3000	3000
Climatic proofing				Damp heat. constant to IEC 60068-2-78; Damp heat, cyclic to IEC 60068-2-30			
Ambient temperature (for derating information contact buletechnical@eaton.com)	Open		°C	-25 -50	-25 -50	-25 -50	-25 -50
	Enclosed		°C	-25 -40	-25 -40	-25 -40	-25 -40
Mounting position				Any	Any	Any	Any
Mechanical shock resistance to IEC 60068-2-27		Half-sinusoidal shock to 20 ms	g	>15	>15	>15	>15
Contacts							
Rated operational voltage		U_e	V A C	690	690	690	690
Rated impulse withstand voltage		U_{imp}	V A C	6000	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3
Rated uninterrupted current	Open	I_u	A	20	32	63	100
	Enclosed	I_u	A	20	32	63	100
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	2	2	2	2
	AB 40% DF		x I_e	1.6	1.6	1.6	1.6
	AB 25% DF		x I_e	1.3	1.3	1.3	1.3
Rated conditional short-circuit current	Load side	I_q	kA	6	1	2	2
	Supply side	I_q	kA	-	-	-	-
Short-circuit rating	Fuse		A gG/gL	20	35	80	100
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	320	650	1300	1850
Safe isolation according to EN 61140							
Between the contacts			VAC	440	440	440	440
Switching angle			°	90 60 45 30	90 60 45 30	90 60 45 30	90 60 45 30
Contact units			Number	Max. 11	Max. 11	Max. 10	Max. 10
Contacts with double-break				Max. 22	Max. 22	Max. 20	Max. 20
Current heat loss per contact at I_e			W	0.6	1.1	4.5	7.5
Terminal capacity							
Solid or stranded			mm^2	1 x (1-2.5) 2 x (1-2.5)	1 x (1-2.5) 2 x (1-2.5)	1 x (2.5-35) 2 x (2.5-16)	1 x (2.5-35) 2 x (2.5-16)
Flexible with ferrule to DIN 46228			mm^2	1 x (0.75-1.5) 2 x (0.75-1.5)	1 x (0.75-4) 2 x (0.75-4)	1 x (1.5-25) 2 x (1.5-10)	1 x (1.5-25) 2 x (1.5-10)
Terminal screw				M3.5	M4	M6	M6
Tightening torque			Nm	1	2	4	4

Notes: The following applies for mechanical shock resistance: T3.../I...>12g.
Applies to T0.../SVB: isolating characteristics to IEC/EN 60947 for rated operational voltage Ue up to 500 V a.c.
The following applies to rated uninterrupted current Iu of contacts: max 95 A with T5-4-8344/I5.
The following applies to solid, stranded and flexible terminal capacities:
T0, , (8)...: If 2 conductors are used, a max difference of 2 cross-section sizes is permissible.
T5(B)-...: If 2 conductors are used, a max difference of 1 cross-section sizes is permissible.
The following applies for part no T8-3-8342/...: switching angle = 90° and flat conductor connection = 1 flat conductor.
25 x 5 or 2 flat conductors, 20 x 3

T0, T3, T5B and T5 Cam switch-disconnectors

						T0-...	T3-...	T5B-...	T5-...
Switching capacity									
AC Voltage									
Rated making capacity cos φ = 0.35					A	130	320	800	960
Rated breaking capacity, motor load switch cos φ = 0.35		230 V			A	100	260	520	760
		400 V			A	110	260	600	740
		500 V			A	80	240	480	590
		690 V			A	60	170	340	420
Rated operational current, load-break switch AC-21A		440 V		I_e	A	20	32	63	100
Motor rating Motor load switch AC-3		230 V		P	kW	3	6.5	15	22
		230 V star-delta		P	kW	4	11	22	30
		400/415 V		P	kW	4	12	22	30
		400 V star-delta		P	kW	5.5	18.5	37	45
		500 V		P	kW	5.5	15	22	37
		500 V star-delta		P	kW	7.5	22	37	55
		690 V		P	kW	4	15	22	30
		690 V star-delta		P	kW	5.5	22	37	45
Motor rating Motor load switch AC-23A		230 V		P	kW	3.5	7.5	15	18.5
		400/415 V		P	kW	6.5	13	22	30
		500 V		P	kW	7.5	15	22	37
		690 V		P	kW	6.5	15	22	30
Motor rating Motor load switch AC-15		230 V		P	kW	6	10	16	16
		400/415 V		P	kW	4	6	6	6
		500 V		P	kW	2	4	4	4
DC Voltage									
DC-1, load switch L/R = 1 ms		Rated operational current		I_e	A	10	25	63	80
		Voltage per contact connected in series			V	60	60	60	60
DC-21A		Rated operational current 240 V			A	1	1		
		240 V contacts			Number	1	1		
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current		I_e	A	10	25	50	-
		Voltage per contact connected in series			Number	1	1	1	-
	48 V	Rated operational current		I_e	A	10	25	50	-
		Contacts			Number	2	2	2	-
	60 V	Rated operational current		I_e	A	10	25	50	-
		Contacts			Number	3	3	3	-
	120 V	Rated operational current		I_e	A	5	12	25	-
		Contacts			Number	3	3	3	-
	240 V	Rated operational current		I_e	A	5	5	20	-
		Contacts			Number	5	5	6	-
DC-13, control switch L/R = 50 ms		Rated operational current		I_e	A	10	20	25	-
		Voltage per contact connected in series			Number	32	32	24	-
Control circuit reliability at 24 V d.c., 10 mA				Fault probabilty	H_F	< 10-5, < 1 failure for 100,000 switching operations			

T0, T3 and T5B Cam switch-disconnectors- Approvals for North America

				T0	T3	T5B
Rating data for approved types UL File No E36332						
Contacts						
Rated operational voltage		U_e		600	600	600
Rated uninterrupted current		I_u		16	25	65
Rated current			A	16	25	65
Pilot duty				A 600 P 600	A 600	
Switching capacity						
AC-3, max, rated power, 40-60 Hz AC motors						
	3-phase	200 V a.c.	HP	3	5	15
		230 V a.c.	HP	3	7½	15
		460 V a.c.	HP	10	15	40
		575 V a.c.	HP	10	15	50
	Single-phase	115 V a.c.	HP	1	1½	3
		200 V a.c.	HP	2	3	7½
		230 V a.c.	HP	2	3	10
Short-circuit rating						
	Standard	600 V a.c.	kA	5	5	5
	With back-up fuse		A	50	80	Class J
	With circuit-breakers		Part No	NZMH6	NZMH6	-
	Current setting		A	50	125	-
Disconnect in motor circuits		600 V a.c.	kA	10	10	-
	With back-up fuse		Class	20 A/J	40 A/J	-
Terminal capacity						
Cu cable		Min	AWG	18	14	12
		Max	MCM	14	10	4
Tightening torque		Max	in-lb	8.8	17.6	35.3

Notes: Do not use AW extension terminals where UL/CSA approval is required.

	UL approved protection types		
	UL/NEMA 1	UL/NEMA 3R	UL/NEMA 12
T0-../E; /Z;/SVB	•	•	-
T3-../E; /Z;/SVB	•	•	-
T5B-../E; /Z;/SVB	•	•	•

Notes: Protection types as defined in NEC (NFPA 70), UL, CSA, NEMA

T6 and T8 Cam switch-disconnectors

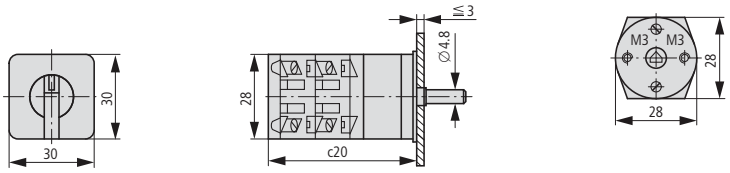
				T6-3-8212/E/HI12	T6-160-...	T8-...
General						
Standards				IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL switch-disconnector to IEC/EN 60947-3 Load break switch according to IEC/EN60947-3		
Lifespan mechanical		Operations	x 10^6	0.1	0.1	0.1
Maximum operating frequency		Operations/h		50	50	50
Climatic proofing				Damp heat. constant to IEC 60068-2-78; Damp heat, cyclic to IEC 60068-2-30		
Ambient temperature (for derating information contact buletechnical@eaton.com)		Open	°C	-25 -50	-25 -50	-25 -50
		Enclosed	°C	-25 -40	-25 -40	-25 -40
Mounting position				Any	Any	Any
Mechanical shock resistance to IEC 60068-2-27		Half-sinusoidal shock to 20 ms	g	>15	>15	>15
Contacts						
Rated operational voltage		U_e	V A C	690	690	690
Rated impulse withstand voltage		U_{imp}	V A C	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3
Rated uninterrupted current	Open	I_u	A	200	160	315
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	2	2	2
	AB 40% DF		x I_e	1.6	1.6	1.6
	AB 25% DF		x I_e	1.3	1.3	1.3
Rated conditional short-circuit current	Load side	I_q	kA	5	30	5
	Supply side	I_q	kA	-	-	-
Short-circuit rating		Fuse	A gG/gL	20	35	80
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	320	650	1300
Safe isolation according to EN 61140						
Between the contacts			VAC	440	440	440
Switching angle			°	90 60	90 60	90 60
Contact units			Number	Max. 3	Max.3	Max.3
Contacts with double-break				Max. 6	Max. 6	Max. 6
Current heat loss per contact at I_e			W	11	11	11
Terminal						
Solid or stranded			mm^2	1 x 70 2 x 25	1 x 95 2 x 25	150
Flexible with ferrule to DIN 46228			mm^2	1 x 50 2 x 16	1 x 50 2 x 16	120
Flat terminals for rails			mm^2			1 x (25 x 5) 2 x (20 x-3)
Terminal screw				M6	M5, hexagon screw	M12
Tightening torque			Nm	5.6	14	25

T6 and T8 Cam switch-disconnectors

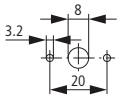
						T6-3-8212/E/HI12	T6-160-...	T8-...
Switching capacity								
AC Voltage								
Rated making capacity cos φ = 0.35					A	1600	1600	2390
Rated breaking capacity, motor load switch cos φ = 0.35		230 V			A	1280	1280	1910
		400 V			A	900	900	1800
		500 V			A	880	880	1200
		690 V			A	340	340	420
Rated operational current, load-break switch AC-21A		440 V		I_e	A	125	160	315
Motor rating Motor load switch AC-3		230 V		P	kW	22	22	22
		230 V star-delta		P	kW	22	22	37
		400/415 V		P	kW	37	45	55
		400 V star-delta		P	kW	37	45	55
		500 V		P	kW	37	37	37
		500 V star-delta		P	kW	37	37	37
		690 V		P	kW	22	22	37
		690 V star-delta		P	kW	22	22	37
Motor rating Motor load switch AC-23A		230 V		P	kW	37	37	75
		400/415 V		P	kW	45	55	132
		500 V		P	kW	55	75	132
		690 V		P	kW	30	30	37
Motor rating Motor load switch AC-15		230 V		P	kW	-	-	-
		400/415 V		P	kW	-	-	-
		500 V		P	kW	-	-	-
DC Voltage								
DC-1, load switch L/R = 1 ms		Rated operational current		I_e	A	125	125	315
		Voltage per contact connected in series			V	42	42	42
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current		I_e	A	125	125	250
		Voltage per contact connected in series			Number	1	1	1
	48 V	Rated operational current		I_e	A	125	125	250
		Contacts			Number	2	2	2
	60 V	Rated operational current		I_e	A	125	125	125
		Contacts			Number	3	3	3
	120 V	Rated operational current		I_e	A	50	50	50
		Contacts			Number	3	3	3
DC-13, control switch L/R = 50 ms		Rated operational current		I_e	A	125	125	250
		Voltage per contact connected in series			Number	24	24	
Control circuit reliability at 24 V d.c., 10 mA		Fault probabilty			H_F	< 10-5, < 1 failure for 100,000 switching operations		
Auxiliary contact								
Standards						Control circuit isolator to IEC/EN 60947-5 f		
Rated insulation voltage				Ui	V a.c.	500	500	-
Rated uninterrupted current				I_u	A	10	10	-
Rated operational current		AC-15 at 230 V				6		-
		400 V/415 V				4		-
Short-circuit rating		Max fuse		A	gG/gL	10		-
Terminal capacity	Solid				mm^2	0.75-2.5	0.75-2.5	-
	Flexible with ferrule to DIN 46228				mm^2	0.5-1.5	0.5-1.5	-
Tightening torque					Nm	0.35	0.35	-
Control cirucit reliability at 24 V d.c., 10 mA				Fault probability	HF	< 10-5, < 1 failure for 100,000 switching operations		

Dimensions

TM Flush mounting /E - mm

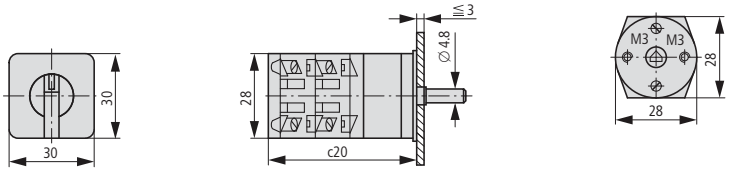


Drilling dimensions



TM Flush mounting TM.../E/SVB-(SW) - mm

Control circuit isolators for 2 padlocks Ø 4 mm or 1 padlock Ø 6 mm



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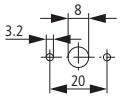
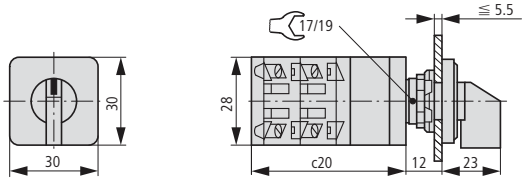


TM Centre mounting /EZ - mm



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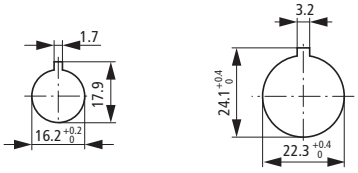
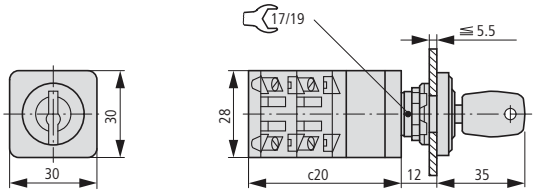


TM Centre mounting with key operation TM-...+EZ/S - mm



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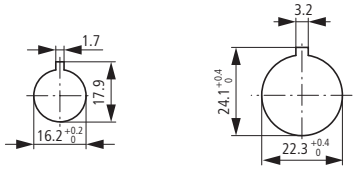
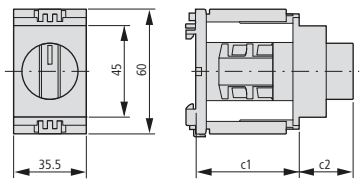


Part no.	c20	c21
TM-1	39	42
TM-2	51	54
TM-3	63	66
TM-4	75	
TM-5	87	
TM-6	99	
TM-7	111	
TM-8	123	

Depth of one contact unit: 12 mm

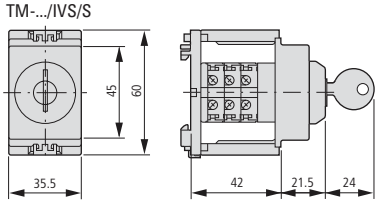
TM Service distribution board mounting /IVS - mm



Part no.	c1	c2
TM-1	44	21
TM-2	46	26.5

Depth of one contact unit 12 mm

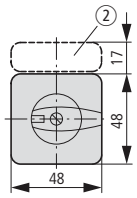
TM-.../IVS/S

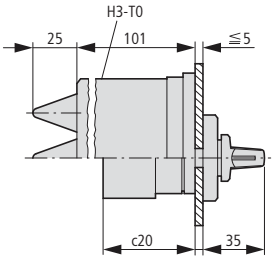


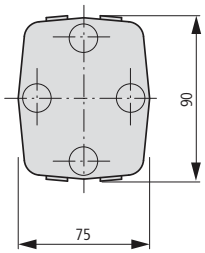
Drilling dimensions optionally: 16.2 mm = without reduction RMQ16; 22.3 mm = with reduction RMQ Titan

Dimensions

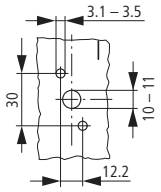
T0 and T3 Flush mounting /E (+H-T0) - mm



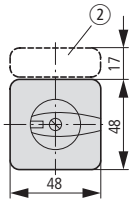


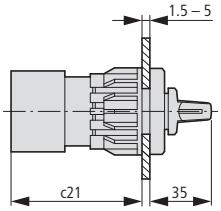


Drilling dimensions

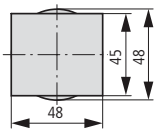


T0 and T3 Centre mounting /EZ - mm

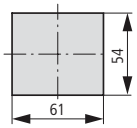




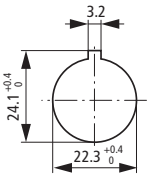
T0



T3



Drilling dimensions



Part no.	c20	c21
T0-1...	41	61
T0-2...	50	70
T0-3...	60	80
T0-4...	69	89
T0-5...	79	99
T0-6...	88	108
T0-7...	98	118
T0-8...	107	127
T0-9...	117	137
T0-10...	126	146
T0-11...	136	156

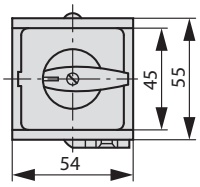
Depth of one contact unit: 9.5 mm

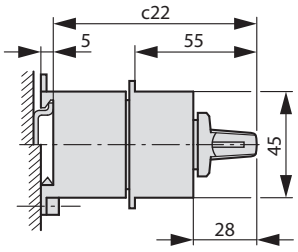
Part no.	c20	c21
T3-1...	44	64
T3-2...	56	76
T3-3...	67	87
T3-4...	79	99
T3-5...	90	110
T3-6...	102	122
T3-7...	113	133
T3-8...	125	145
T3-9...	136	156
T3-10...	148	168
T3-11...	159	179

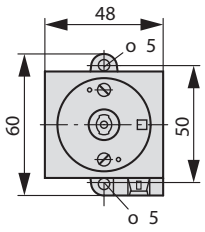
Depth of one contact unit: 11.5 mm

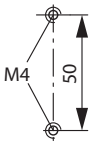
② Not included as standard

T0 Service distribution board mounting /IVS - mm





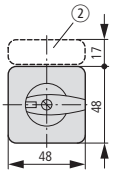


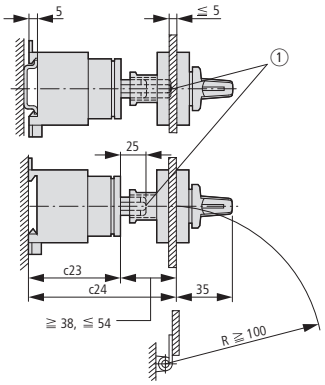


Dimensions

T0 and T3 Rear mounting /Z - mm

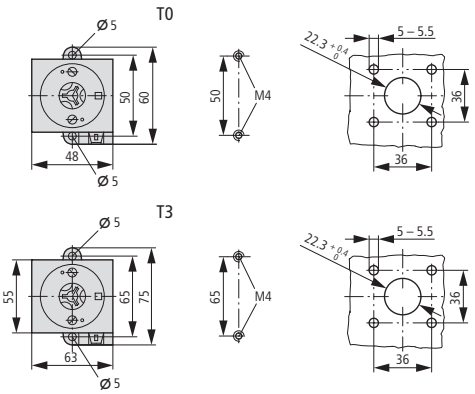
① Extension with





Drilling dimensions base

Drilling dimensions door



ZAV-T0 possible,
≦ 4 x 25 = 100 mm

Part no.	c20	c21	c22	c23	c24 ≧/≦	c24 with ≦ 4 ZAV	c25
T0-1...	41	61	77	48	86 – 102	202	72
T0-2...	50	70	87	57	96 – 112	212	72
T0-3...	60	80	96	67	105 – 121	221	91
T0-4...	69	89	106	76	115 – 131	231	91
T0-5...	79	99	115	86	124 – 140	240	–
T0-6...	88	108	125	95	134 – 150	250	–
T0-7...	98	118	134	105	143 – 159	259	–
T0-8...	107	127	144	114	153 – 169	269	–
T0-9...	117	137	154	124	162 – 178	278	–
T0-10...	126	146	163	133	172 – 188	288	–
T0-11...	136	156	173	143	181 – 197	297	–

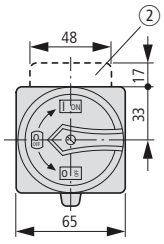
Depth of one contact unit: 9.5 mm

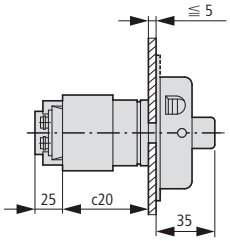
Part no.	c20	c21	c22	c23	c24 ≧/≦	c24 with ≦ 4 ZAV	c25
T3-1...	44	64	80	51	86 – 105	205	79
T3-2...	56	76	92	63	101 – 115	216	79
T3-3...	67	87	103	74	112 – 128	228	101
T3-4...	79	99	115	86	124 – 139	239	101
T3-5...	90	110	126	97	135 – 151	251	–
T3-6...	102	122	138	109	147 – 162	262	–
T3-7...	113	133	149	120	158 – 174	274	–
T3-8...	125	145	161	132	170 – 185	285	–
T3-9...	136	156	172	143	181 – 196	296	–
T3-10...	148	168	184	155	193 – 208	308	–
T3-11...	159	179	195	166	204 – 219	319	–

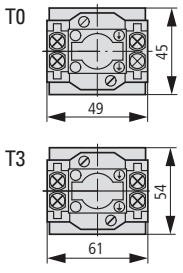
Depth of one contact unit: 11.5 mm

② Not included as standard

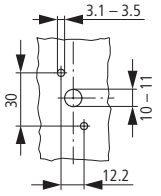
T0 and T3 Flush mounting Main switch /EA/SVB - mm







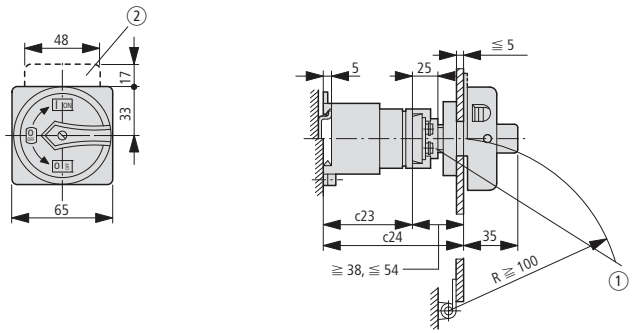
Drilling dimensions door



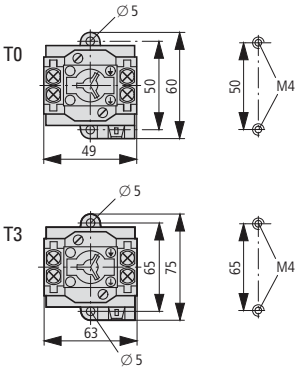
Dimensions

T0 and T3 Rear Main switch /V/SVB - mm

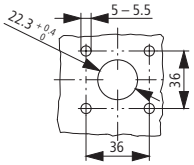
Rear mounting main switches
T0.../V/SVB
T3.../V/SVB



Drilling dimensions base

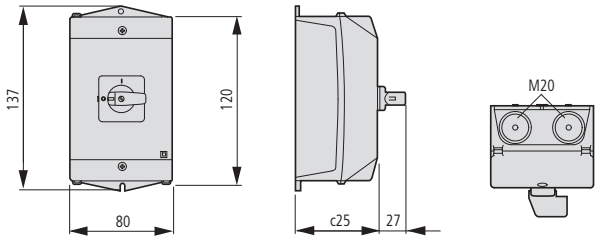


Drilling dimensions door

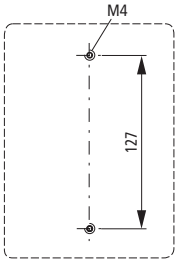


① Interlock extension possible with ZVV-T0 + ZAV-T0, F 4 x 25 = 100 mm
② Not included as standard

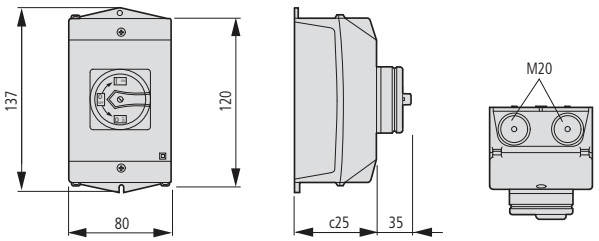
T0 Surface mounting /I1 - mm



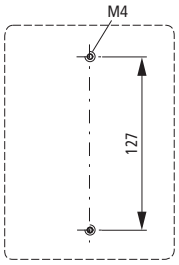
Drilling dimensions base



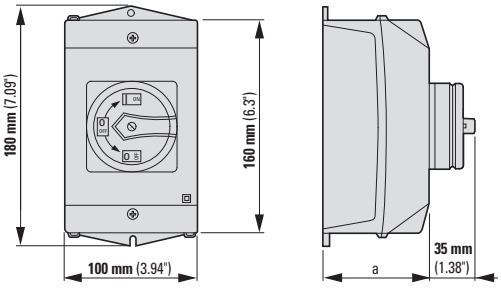
T0 Surface mounting main switches /I1 padlock facility - mm

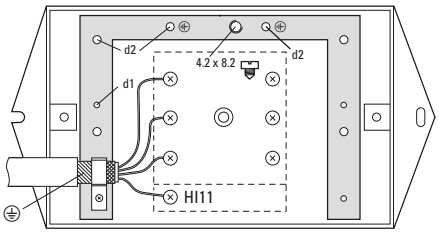


Drilling dimensions base



T0 Surface mounting main switch /I2H/MBS/SVB with pre-assembled EMC screen - mm



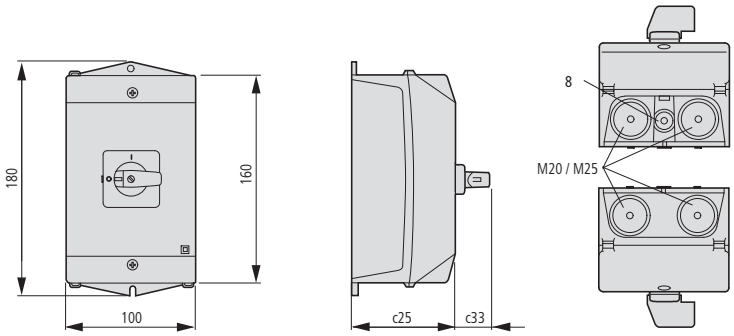


mm	in	mm	Ø	mm	in
7	0.28	2 x 4.2 x 8.2	d1	3.5	0.14
8	0.32	2 x 4.2 x 8.2	d1	3.5	0.14
10	0.39	2 x 4.2 x 8.2	d1	3.5	0.14
12	0.47	2 x 4.8 x 10.5	d2	4.1	0.16

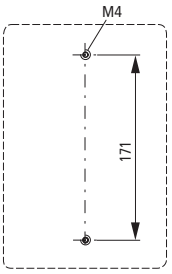
a = 101 mm (3.98")

Dimensions

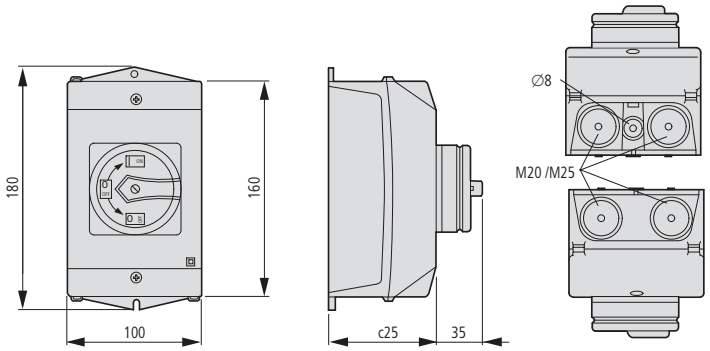
T3 Surface mounting /I2 - mm



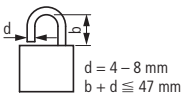
Drilling dimensions base



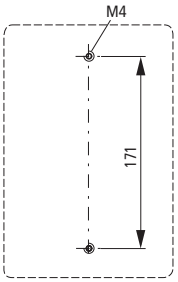
T3.../I2/SVB Surface mounting main switch - mm



≦ 3 padlocks



Drilling dimensions base

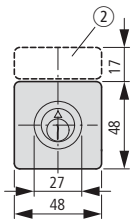


Part no.	c25
T0-1...	75
T0-2...	75
T0-3...	95
T0-4...	95

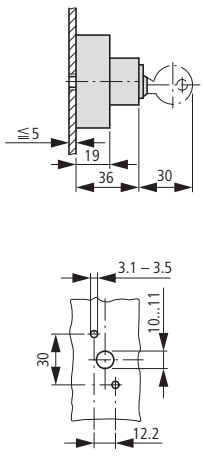
Part no.	c25	c33
T3-1...	80	27
T3-2...	80	27
T3-3...	100	35
T3-4...	100	35
T3-5...	145	35

Key operated lock mechanism - mm

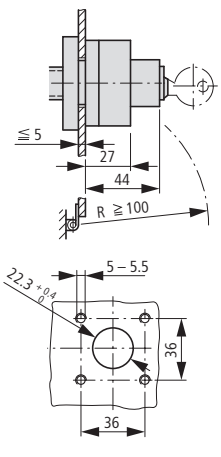
S-T0
S-SOND...-T0



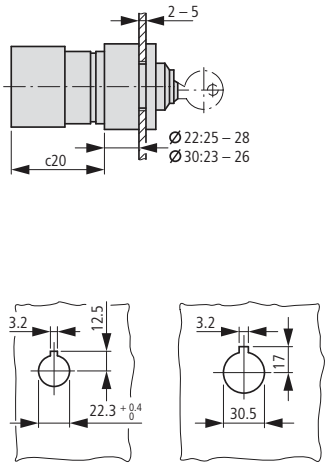
T0.../E(I1) + S-(SOND-)T0
T3.../E(I2) + S-(SOND-)T0



T0.../Z + S-(SOND-)T0
T3.../Z + S-(SOND-)T0



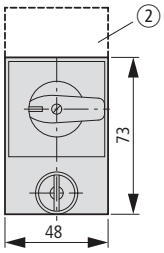
T0.../EZ = T0../E + EZ-T0 + S-(SOND-)T0
T3.../EZ = T3../E + EZ-T0 + S-(SOND-)T0



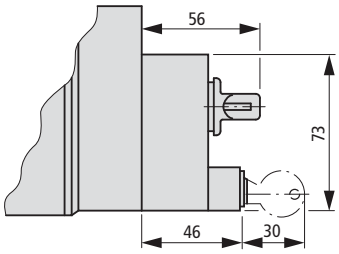
Dimensions

Cylinder lock - mm

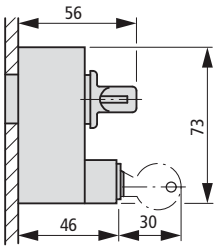
SVA-T3



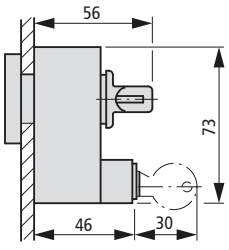
T0.../I1/SVA
T3.../I2/SVA
P1.../12/SVA



T0.../E/SVA...
T3.../E/SVA...
P1.../E/SVA

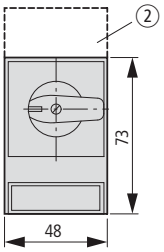


T0.../Z/SVA...
T3.../Z/SVA...
P1.../Z/SVA

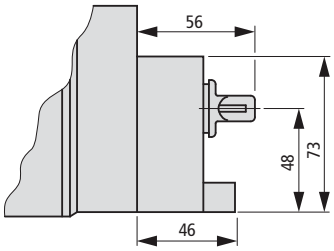


Padlocking feature - mm

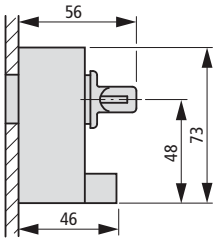
SVC-T3



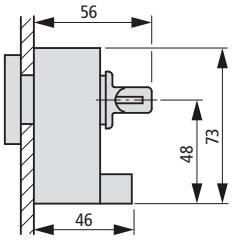
T0.../I1/SVC
T3.../I2/SVC
P1.../12/SVC



T0.../E/SVC...
T3.../E/SVC...
P1.../E/SVC

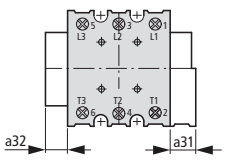


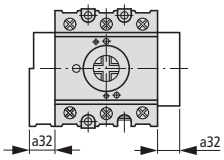
T0.../Z/SVC...
T3.../Z/SVC...
P1.../Z/SVC

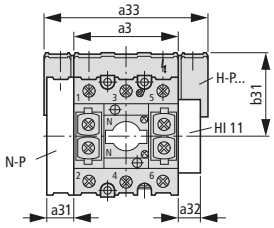


Modules - mm

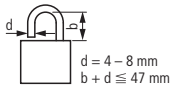
Switched neutral conductor N-P...
Auxiliary contacts HI 11-P1/P3







≦ 3 padlocks

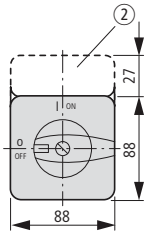


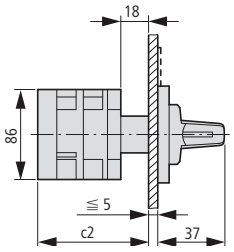
Part no.	a3	a31	a32	a33	b31
P1-...	49	15	15	83	49
P3-..	72	18	15	114	60

② Not included as standard

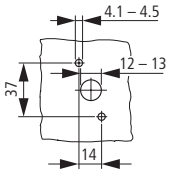
Dimensions

T5(B) Flush mounting /E - mm

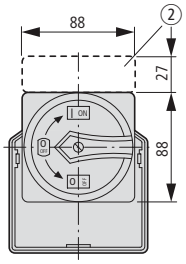


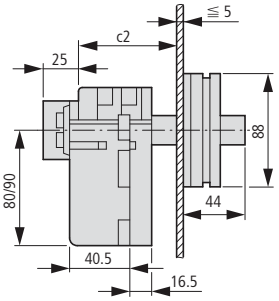


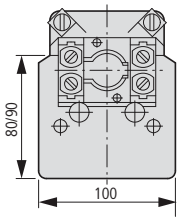
Drilling dimensions door



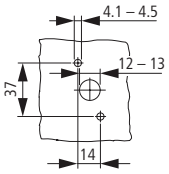
T5(B) Flush mounting main switches /EA/SVB - mm



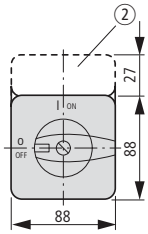


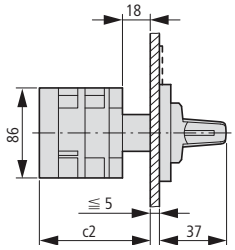


Drilling dimensions door

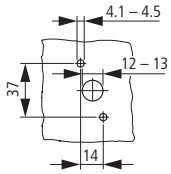


T5(B) Rear mounting /Z - mm



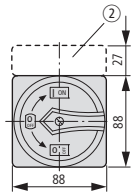


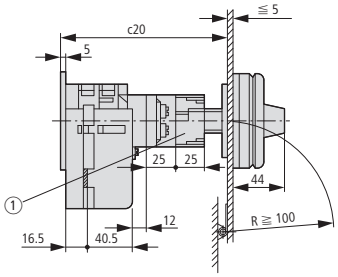
Drilling dimensions door



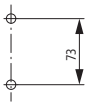
Dimensions

T5(B) Rear mounting main switch /V/SVB - mm

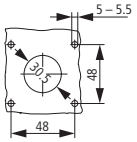




Drilling dimensions base



Drilling dimensions door



Part no.	c2	c20 ≧/≦	c20 with ≦ 4 ZAV	c21	c22
T5(B)-1...	54	92 – 107	207	90	125 (95)
T5(B)-2...	71	109 – 124	224	90	125 (95)
T5(B)-3...	87	125 – 140	240	123	160 (160)
T5(B)-4...	104	142 – 157	257	123	160 (160)
T5(B)-5...	120	158 – 173	273	–	–
T5(B)-6...	137	175 – 190	290	–	–
T5(B)-7...	153	191 – 206	306	–	–
T5(B)-8...	170	208 – 223	323	–	–
T5(B)-9...	186	224 – 239	339	–	–
T5(B)-10...	203	240 – 356	356	–	–

Depth of one contact unit: 16.5 mm

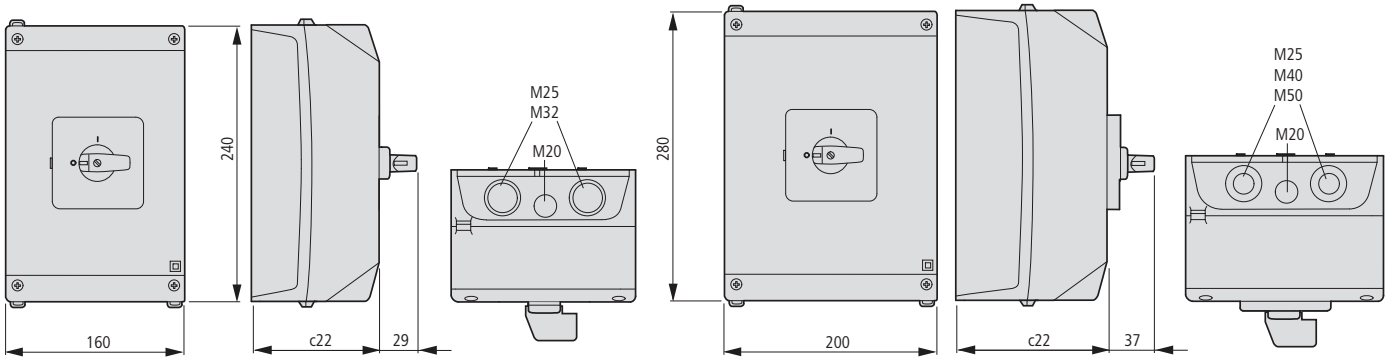
① Extension possible with ZVV-P3, ≦ 4 x 25 = 100 mm

② Not included as standard

Cam switches T5B and T5 have identical designs, only their contacts are different

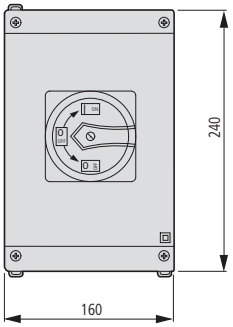
T5B Surface mounting /I4 - mm

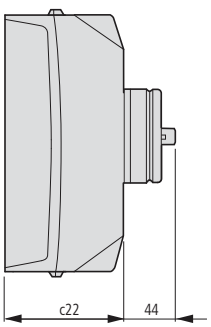
T5.../I5

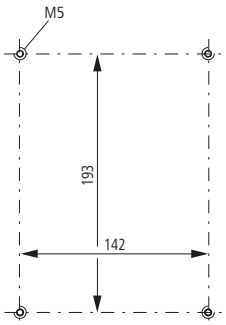


T5B Surface mounting main switches /I4/SVB - mm

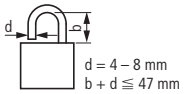
Drilling dimensions





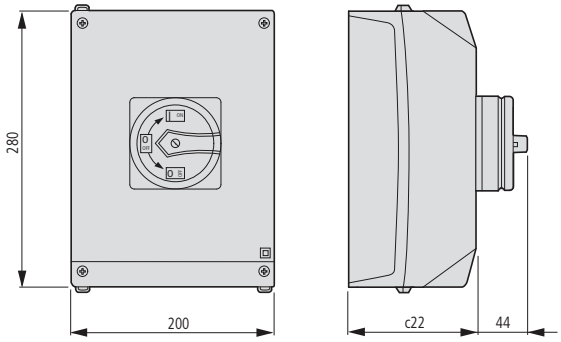


≦ 3 padlocks

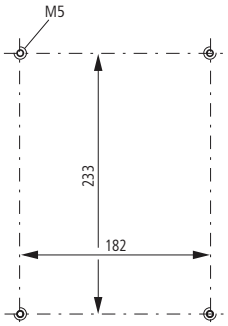


Dimensions

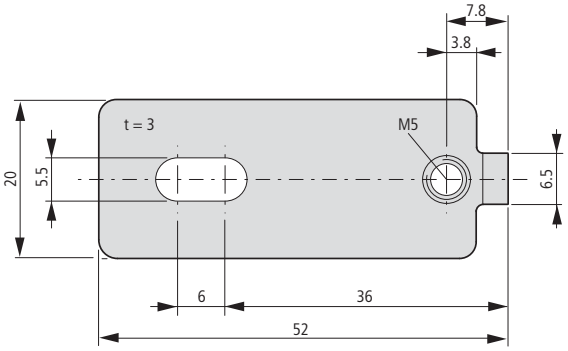
T5 Surface mounting main switches /I5/SVB - mm



Drilling dimensions



AB-CI-K415 External fixing brackets -mm

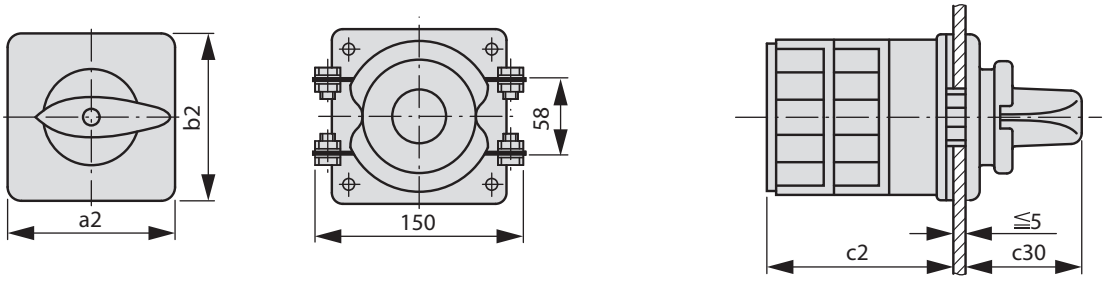


Part no.	c22
T5(B)-1...	125
T5(B)-2...	125
T5(B)-3...	160
T5(B)-4...	160

Depth of one contact unit: 16.5 mm

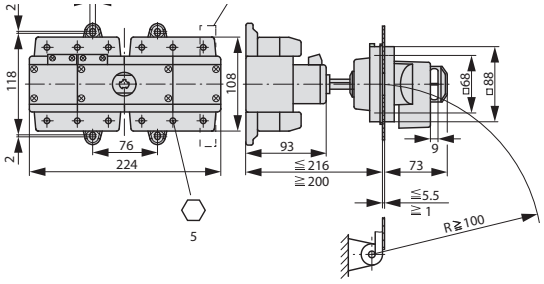
Cam switches T5B and T5 have identical designs, only their contacts are different

T6-3-8212/E/HI12 and T8-3-8212/E/HI12 Flush mounting - mm

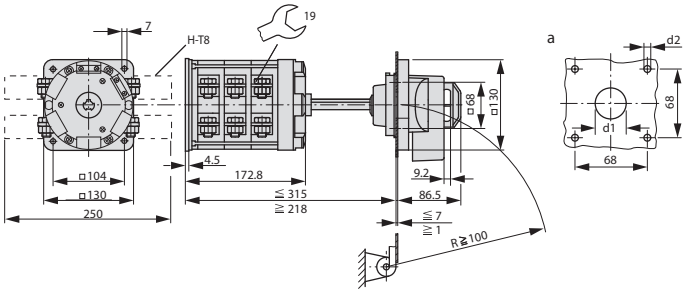


Dimensions

T6-160-6/V/SVB-SW/HI11 - mm

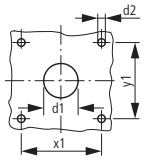


T8-3-8342/V/SVB-(SW)/HI11 - mm



Part no.	a2	b2	c2	c30	d1	d2	x1	y1
T6-3-8212/E/HI12	88	88	152	44	∅ 26 – 30	∅ 6.0	68	68
T8-3-8212/E/HI12	130	130	173	62	∅ 22 – 25	∅ 7.0	104	104
T8-3-8342/V/SVB-(SW)/HI11	–	–		–	∅ 26 – 30	∅ 7.0	68	68

Drilling dimensions door



T6: 4 M5 x 20
T8: 4 M6 x 20

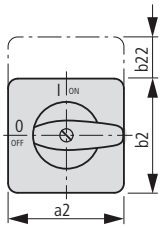
≦ 3 padlocks for T.../SVB



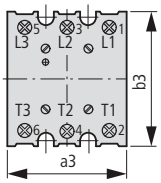
d = 4 – 8 mm
b + d ≦ 47 mm

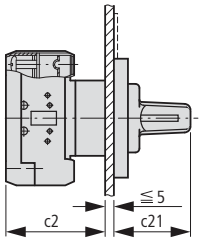
P Flush mounting/E and Centre mounting /EZ - mm

P.../E



P1.../EZ

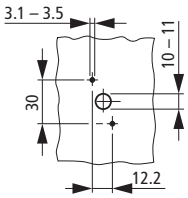




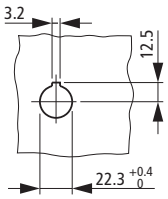
P1.../EZ = c2 + 5 mm

Drilling dimensions door

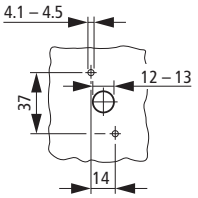
P1-.../E



P1-.../EZ

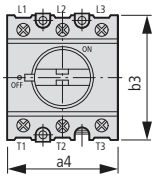


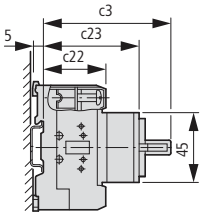
P3-.../E

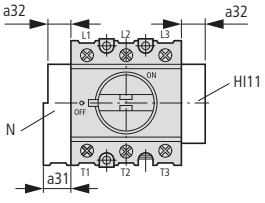


P Service distribution board /IVS - mm

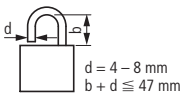
P3.../IVS





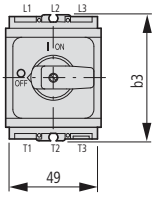


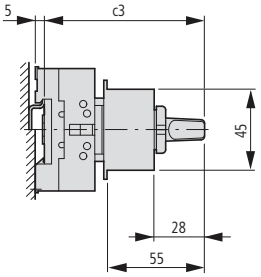
≦ 3 padlocks



d = 4 – 8 mm
b + d ≦ 47 mm

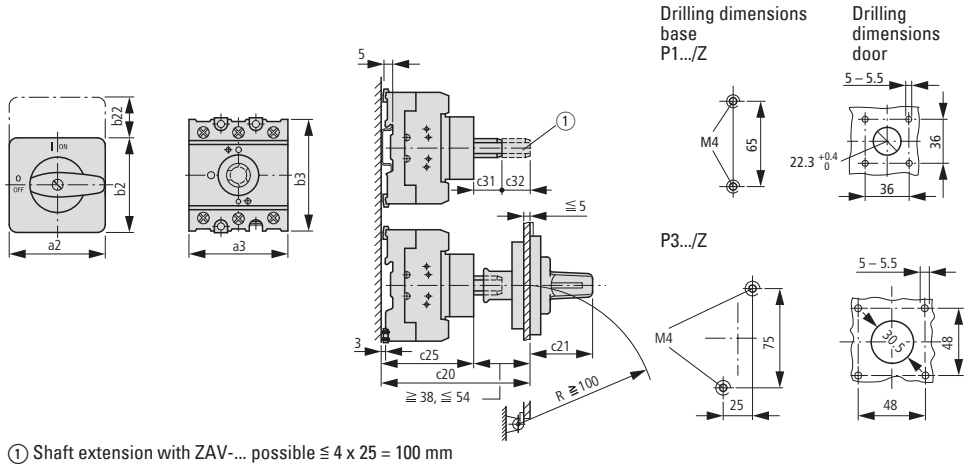
P1.../IVS





Dimensions

P Rear mounting /Z - mm

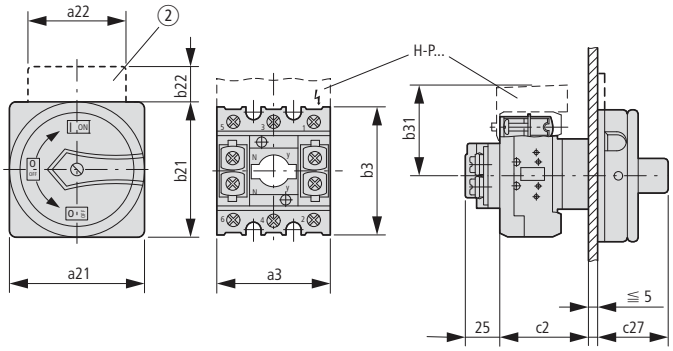


① Shaft extension with ZAV-... possible ≦ 4 x 25 = 100 mm

Part no.	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P1	48	49	53.5	65	48	87	15	15	83	48	70	65	17	180	32	49
P3	87	72	71.5	87	87	125	18	15	114	87	83	87	27	175	–	60

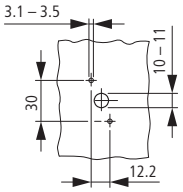
Part no.	c2	c3	c20 ≧/≦	c20 with ≦ 4 ZAV/ZVV	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1	59	86	96 – 112	212	35	32	65	68	58	35	77	25	25	27
P3	59	82	103 – 118	218	37	41	63	81	65	44	90	25	25	29

P Flush mounting main switch /EA/SVB - mm

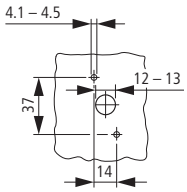


Drilling dimensions door

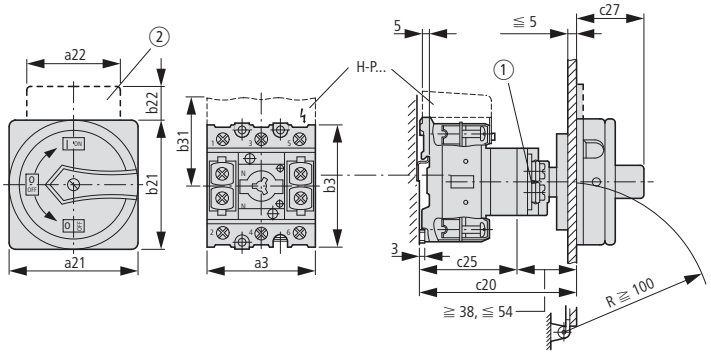
P1...



P3

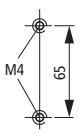


P Rear mounting main switch /V/SVB - mm

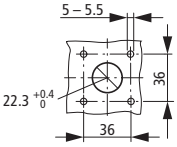


Drilling dimensions base

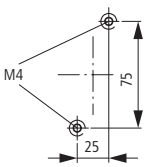
P1/V/SVB

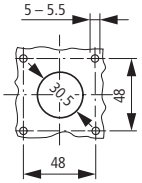


Drilling dimensions door



P3/V/SVB





① Interlock extension with ZVV-...+ZAV... possible ≦ 4 x 25 = 100 mm
② Not included as standard

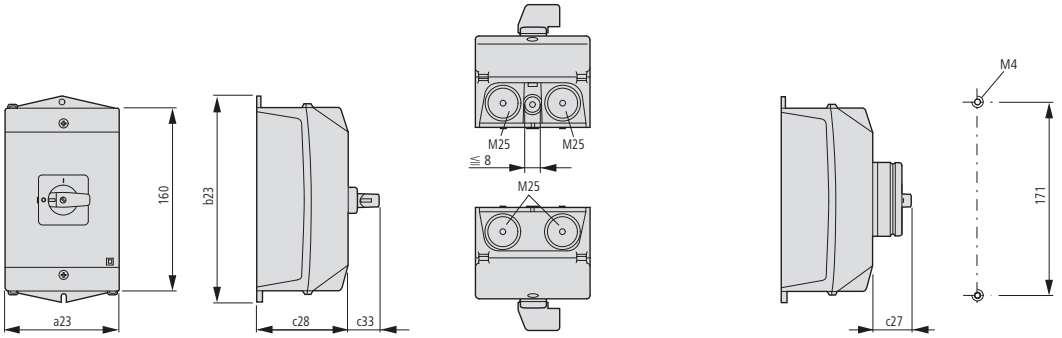
Dimensions

P1 Surface mounting /I2 - mm

Surface mounting
P1.../I2

Surface mounting main switches/safety switches
P1.../I2/SVB / P1.../I2/SI

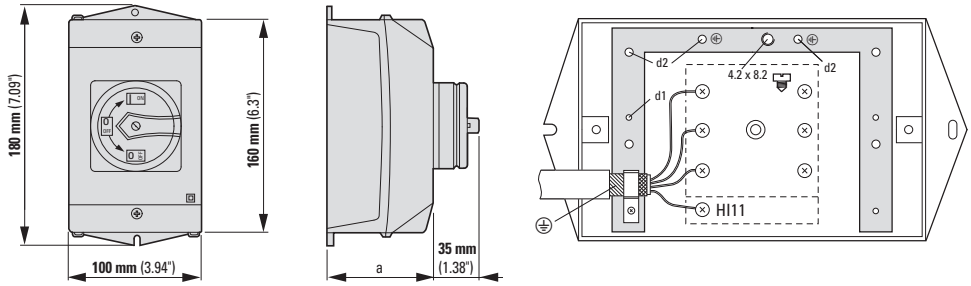
Drilling dimensions



Part no.	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P1.../I2	48	49	53.5	65	48	100	15	15	83	48	70	65	17	180	35.5	49

Part no.	c2	c3	c20 ≧/≦	c20 with ≦ 4 ZAV/ZVV	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1...	59	86	96 – 112	212	35	32	65	68	58	35	80	25	25	27

P1 Surface mounting main switch /I2H/MBS/SVB with pre-assembled EMC screen - mm





mm	in	mm	Ø	mm	in
7	0.28	2 x 4.2 x 8.2	d1	3.5	0.14
8	0.32	2 x 4.2 x 8.2	d1	3.5	0.14
10	0.39	2 x 4.2 x 8.2	d1	3.5	0.14
12	0.47	2 x 4.8 x 10.5	d2	4.1	0.16

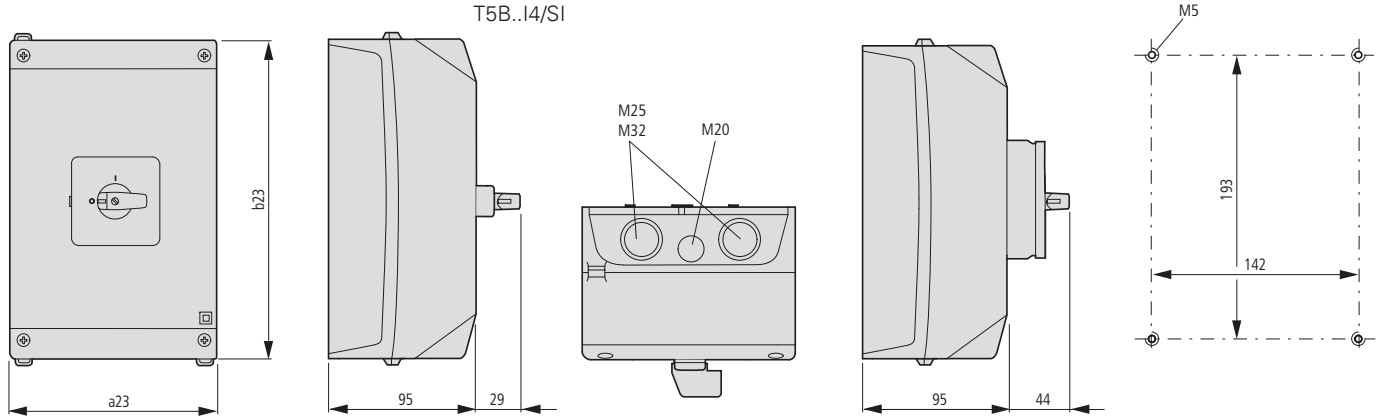
a = 101 mm (3.98")

P3-63 Surface mounting /I4 - mm

Surface mounting
P3-63/I4

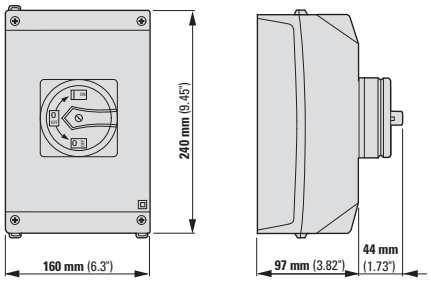
Surface mounting main switches/safety switches
P3-63/I4/SVB
P3-63/I4/SI
T5B..I4/SI

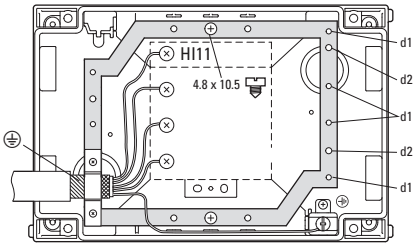
Drilling dimensions



Dimensions

P3 Surface mounting main switch /I4/MBS/SVB with pre-assembled EMC screen - mm







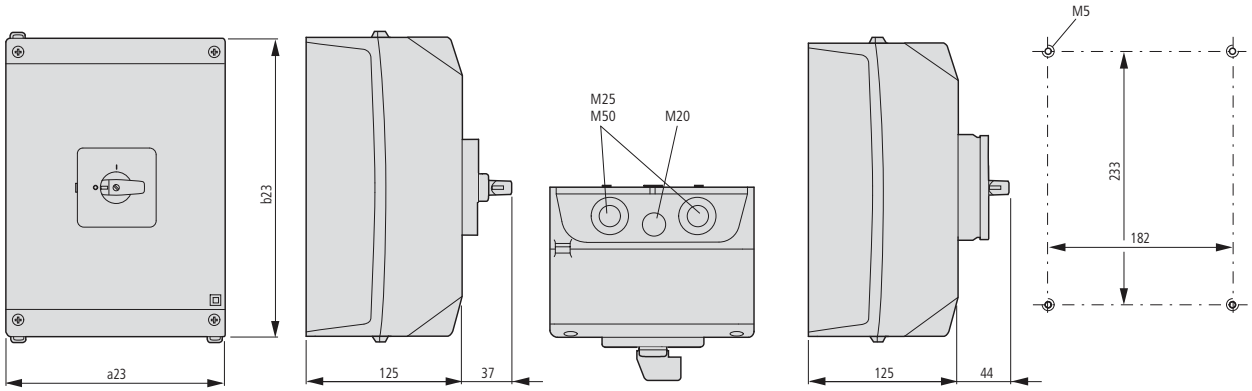
mm	in	mm	⌀	mm	in
12	0,47	2 x 4,8 x 10,5	d2	4,1	0,16
16	0,63	2 x 4,8 x 10,5	d2	4,1	0,16
20	0,79	2 x 4,2 x 8,2	d1	3,5	0,14

P3-100 Surface mounting /I5 - mm

Surface mounting
P3-100/I5

Surface mounting main switches/safety switches
P3-100/I5/SVB
P3-100/I5/SI
T5-.../I5/SI

Drilling dimensions

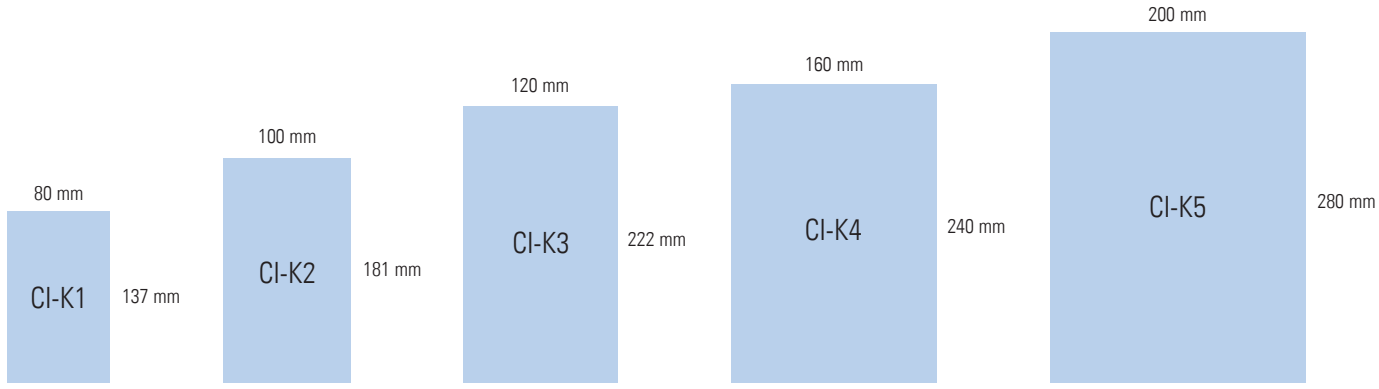


Part no.	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P3-63/I4	87	72	71.5	87	87	160	18	15	114	87	83	87	27	240	35.5	60
P3-100/I5	87	72	71.5	87	87	200	18	15	114	87	83	87	27	280	35.5	60

Part no.	c2	c3	c20 ≧/≦	c20 with ≦ 4 ZAV/ZVV	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P3-63	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37
P3-100	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37

Dimensions

CI-K Polycarbonate enclosures - Dimensions overview -mm



Heights:
95 mm

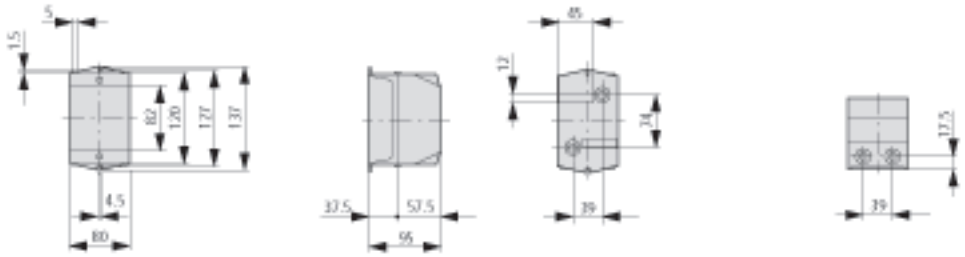
Heights:
80 mm
100 mm
145 mm

Heights:
125 mm
160 mm

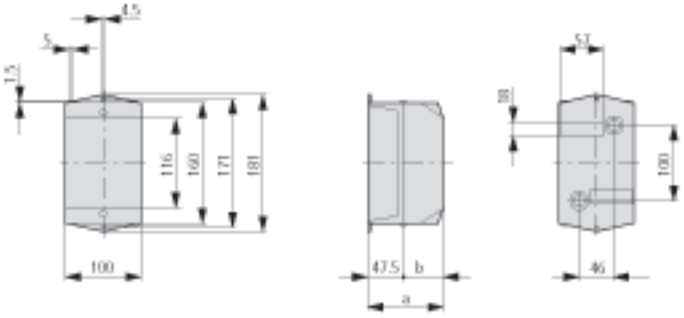
Heights:
125 mm
160 mm

Heights:
125 mm
160 mm

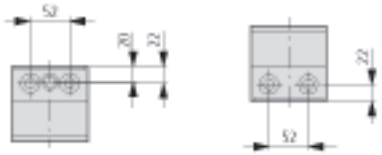
CI-K1 - mm



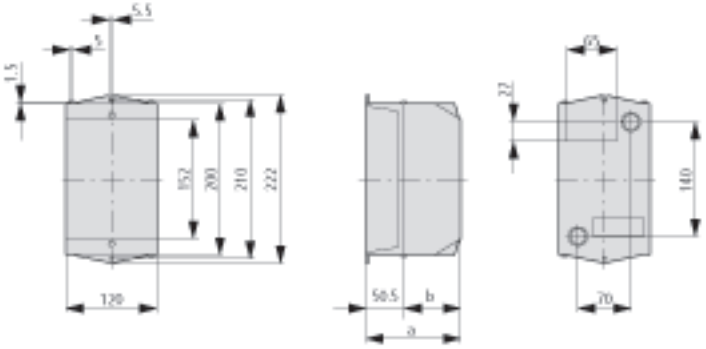
CI-K2 - mm



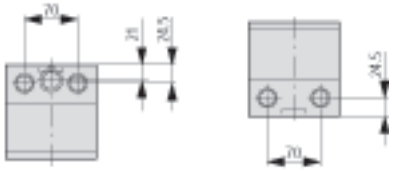
Part no.	a	b
CI-K2-100-...	100 mm	52.5 mm
CI-K2-145-...	145 mm	97.5 mm



CI-K3 - mm

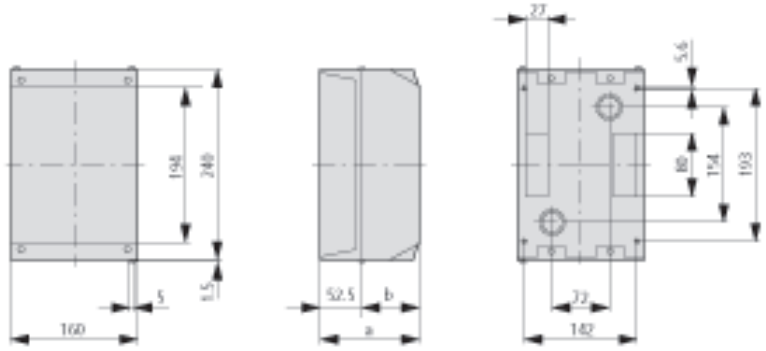


Part no.	a	b
CI-K3-125-...	125 mm	74.5 mm
CI-K3-160-...	160 mm	109.5 mm

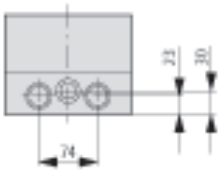


Dimensions

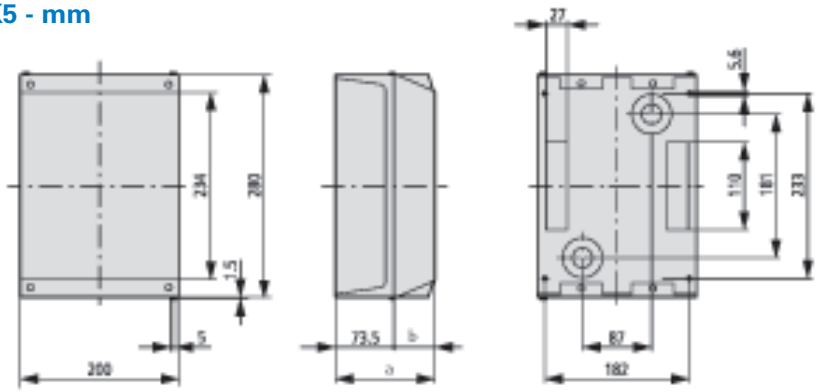
CI-K4 - mm



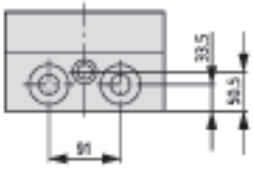
Part no.	a	b
CI-K4-125-...	125 mm	72.5 mm
CI-K4-160-...	160 mm	107.5 mm



CI-K5 - mm



Part no.	a	b
CI-K5-125-...	125 mm	51.5 mm
CI-K5-160-...	160 mm	86.5 kW mm



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029365	T0-3-15391/E	44
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