P Switch-disconnectors and T Rotary cam switches



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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.



Table of contents

Table of contents 4

P Switch-disconnectors overview 6

T Rotary Cam switches overview 12

Flush mounting switch-disconnectors 18

- Range overview . . . 19
- On-Off switch-disconnectors without auxiliary contacts . . . 20
- On-Off switch-disconnectors with auxiliary contacts . . . 25
- Main switch-disconnectors without auxiliary contacts . . . 26
- Main switch-disconnectors with auxiliary contacts . . . 28
- Changeover switch-disconnectors . . . 30
- Coding switch-disconnectors . . . 34
- Manual/auto switch-disconnectors . . . 35
- Multi speed switch-disconnectors . . . 36
- Reversing switch-disconnectors . . . 37
- Selector switch-disconnectors . . . 39
- Star delta switch-disconnectors . . . 40
- Step switch-disconnectors . . . 41
- Selector switch-disconnectors for heating . . . 45
- Universal control switch-disconnectors . . . 45
- Accessories . . . 46

Center mounting switch-disconnectors 48

- Range overview . . . 49
- On-Off switch-disconnectors without auxiliary contacts . . . 50
- On-Off switch-disconnectors with auxiliary contacts . . . 52
- Changeover switch-disconnectors . . . 53
- Coding switch-disconnectors . . . 56
- Control switch-disconnectors . . . 57
- Group switch-disconnectors . . . 57
- Manual/auto switch-disconnectors . . . 58
- Multi speed switch-disconnectors . . . 59
- Reversing switch-disconnectors . . . 60
- Reversing star delta switch-disconnectors . . . 61
- Selector switch-disconnectors . . . 62
- Step switch-disconnectors . . . 63
- Step switch-disconnector for heating . . . 67
- Accessories . . . 67

Rear mounting switch-disconnectors 68

- Range overview - IEC and UL98 . . . 69
- On-Off switch-disconnectors without auxiliary contacts . . . 70
- On-Off switch-disconnectors with auxiliary contacts . . . 72
- Main switch-disconnectors without auxiliary contacts . . . 73
- Main switch-disconnectors with auxiliary contacts . . . 75
- Main switch-disconnectors with 400 mm metal extension shaft without auxiliary contacts . . . 77
- Main switch-disconnectors with 400 mm metal extension shaft with auxiliary contacts . . . 79
- Changeover switch-disconnectors . . . 81
- Manual/auto switch-disconnectors . . . 83
- Multi speed switch-disconnectors . . . 84
- Reversing switch-disconnectors . . . 85
- Selector switch-disconnectors . . . 86
- Star delta switch-disconnectors . . . 87
- Step switch-disconnectors . . . 88
- Universal control switch-disconnectors . . . 90
- Accessories . . . 91

Service distribution board mounting switch-disconnectors 95
Range overview . . . 96
On-Off switch-disconnectors without auxiliary contact . . . 97
Changeover switch-disconnectors . . . 100
Coding switch-disconnectors . . . 102
Manual/auto switch-disconnectors . . . 103
Multi speed switch-disconnectors . . . 104
Reversing switch-disconnectors . . . 105
Selector switch-disconnectors . . . 106
Star delta switch-disconnectors . . . 107
Step switch-disconnectors . . . 108
Universal control switch-disconnectors . . . 110
Step switch-disconnectors for heating . . . 110
Accessories . . . 111
Enclosed switch-disconnectors 112
Range overview - IEC and UL98 . . . 113
On-Off switch-disconnectors without auxiliary contacts . . . 114
On-Off switch-disconnectors with auxiliary contacts . . . 119
Main switch-disconnectors without auxiliary contacts . . . 121
Main switch-disconnectors with auxiliary contacts . . . 127
Changeover switch-disconnectors . . . 133
Coding switch-disconnectors . . . 137
Manual/auto switch-disconnectors . . . 138
Multi speed switch-disconnectors . . . 139
Reversing switch-disconnectors . . . 140
Star delta switch-disconnectors . . . 144
Step switch-disconnectors . . . 145
Universal control switch-disconnectors . . . 146
Step switch-disconnectors for heating and universal control switch-disconnectors . . . 146
Accessories . . . 147
Universal accessories 149
Non standard Cam switches and switch-disconnectors 161
T0 Cam switches . . . 162
T3 Cam switches . . . 164
T5B Cam switches . . . 166
T5 Cam switches . . . 168
TM Non-standard switches - SOND-ERSTBESTELLUNG . . . 170
Ordering of non standard contact sequences . . . 171
Standards 176
P Switch-disconnectors . . . 176
T Rotary cam switch-disconnectors . . . 178
Characteristic curves 180
Technical data 181
P1 and P3 Switch-disconnectors . . . 181
P4 Switch-disconnectors . . . 183
P5 Switch-disconnectors . . . 185
TM Mini cam switches . . . 188
T0, T3, T5B, T5 Cam switch-disconnectors . . . 189
T0, T3 and T5B Cam switch-disconnectors - Approvals for North America . . . 191
T6 and T8 Cam switch-disconnectors . . . 192
Dimensions 194
T Cam switches . . . 194
P Switch-disconnectors . . . 204
Ci-K Polycarbonate enclosures . . . 211
Index 213

P Switch-disconnectors overview

IEC Range overview by switch-disconnectors type and mounting forms

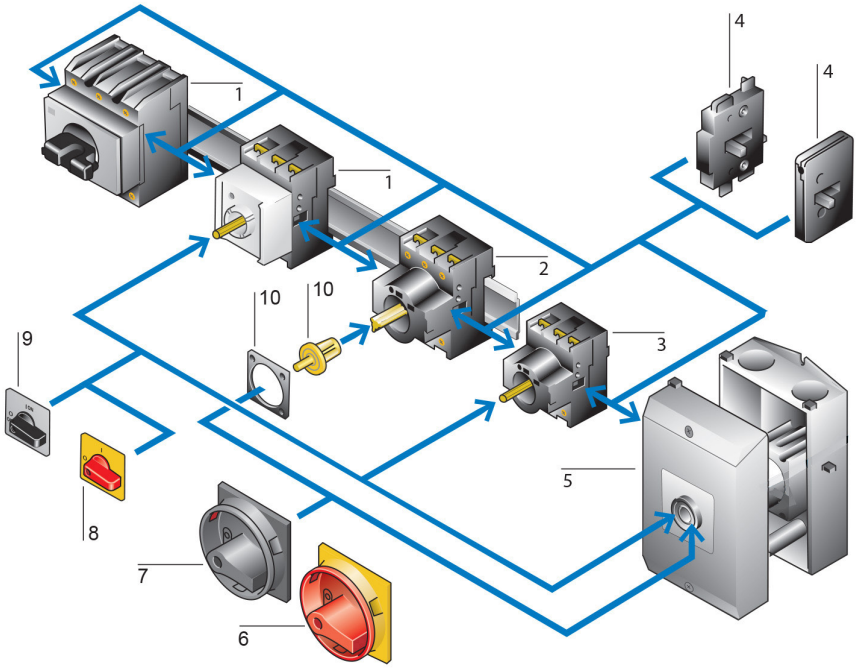
	P1			P3			P4		P5	
Rated current (Amps)	**25**	**32**	**40**	**63**	**80**	**100**	**125**	**160**	**250**	**315**
Rated voltage (V a.c.)	**690**	**690**	**690**	**690**	**690**	**690**	**690**	**690**	**690**	**690**
Max motor rating AC-23A, 400/415 V, 50/60 Hz	**13 kW**	**15 kW**	**15 kW**	**37 kW**		**50 kW**	**55 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' Center 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	✓	✓	✓	✓		✓	✓	✓		

UL98 Range overview by switch-disconnectors type and mounting forms

	P4		
Rated current (Amps)	**30**	**60**	**100**
Rated voltage (V a.c.)	**600**	**600**	**600**
Switch-disconnectors type			
Main switches maintenance/manual override switches	✓	✓	✓
On-Off switches	✓	✓	✓
Mounting forms			
'Z/UL98' Rear mounting	✓	✓	✓
'I43/CCP-(B)/UL98 Surface mounting switch-disconnector fitted in I43 Ci-K Enclosure with transparent cover	✓	✓	✓

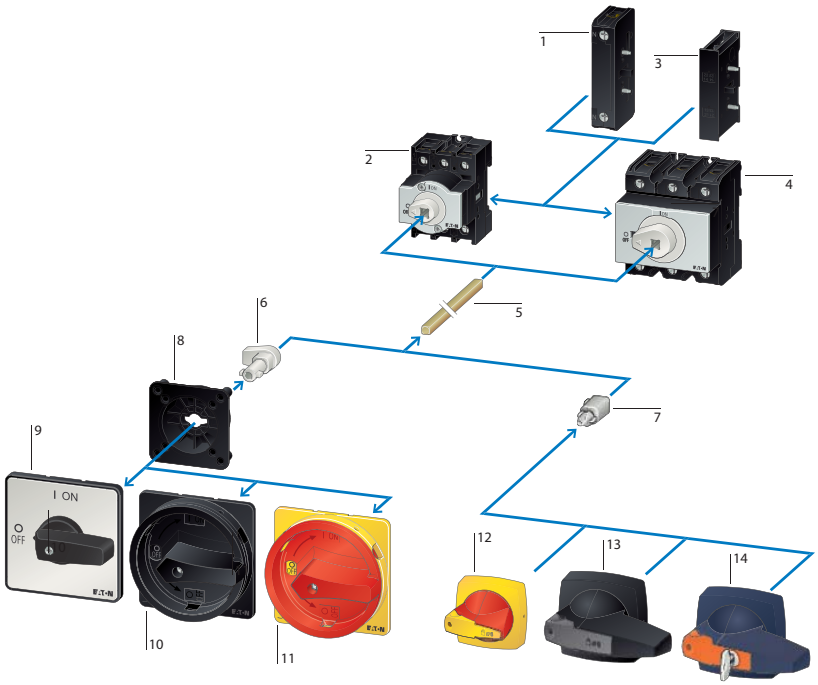
System overview

P1 and P3 Switch-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 switch off device
7. Main switch (kit)
8. Thumb grip for use as emergency switch off device
9. Thumb grip
10. Coupling drive

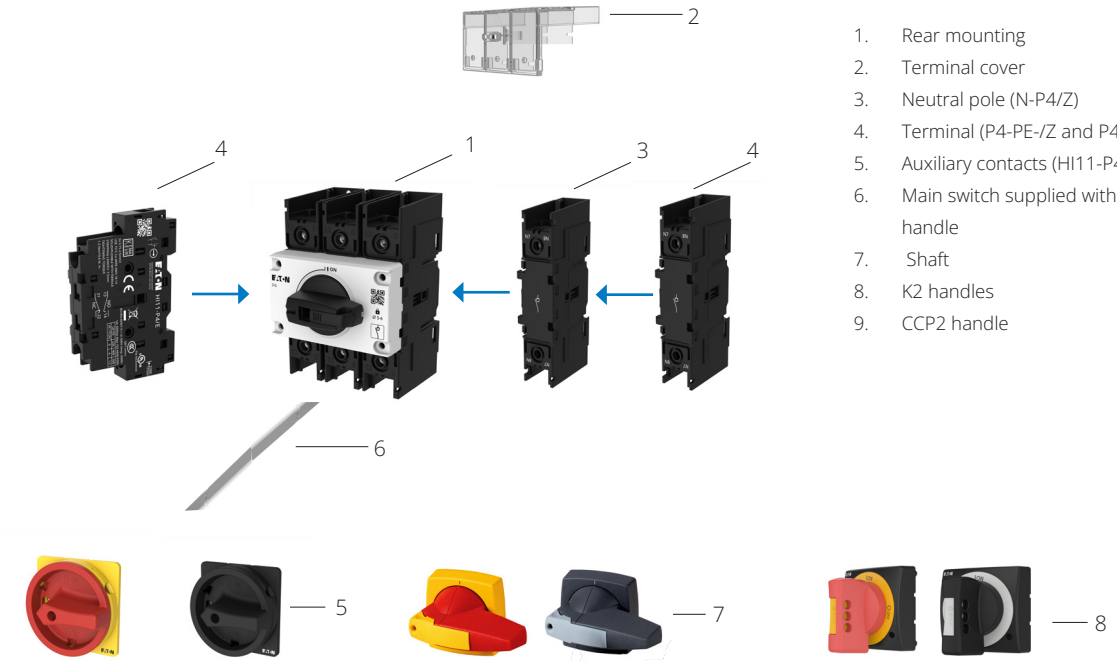
P1 and P3 Switch-disconnectors with metal shaft



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 switch off device (red)
12. Thumb grip kit for use as emergency switch off device (red)
13. K-Line padlock handles
14. K-Line cylinder lock handles

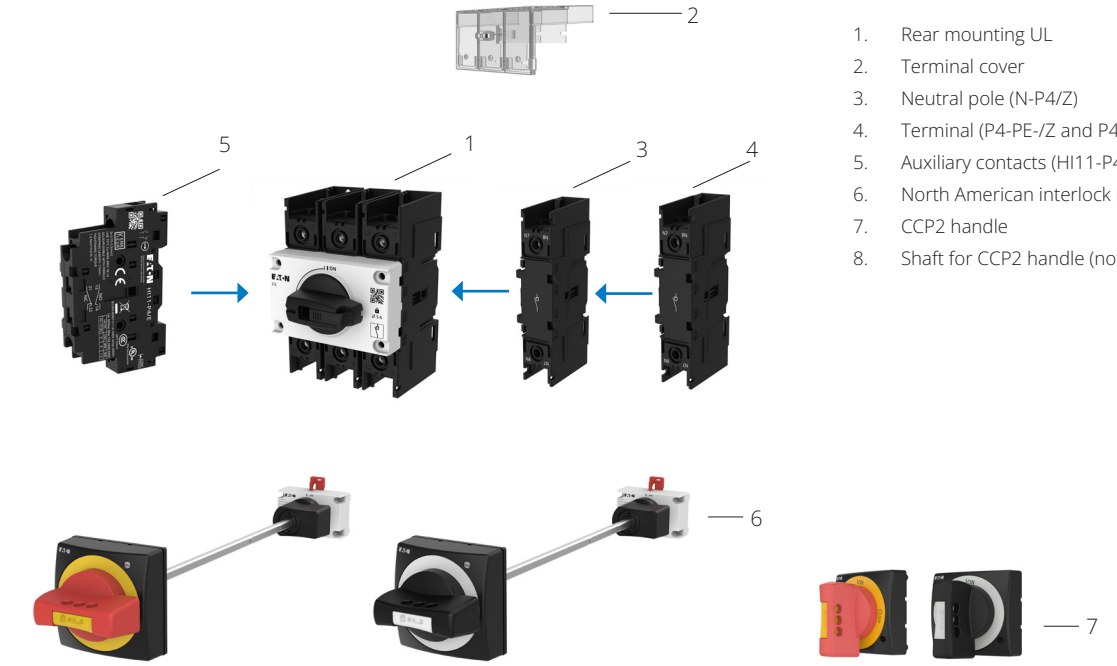
System overview

P4 Switch-disconnectors - IEC Rear mounting



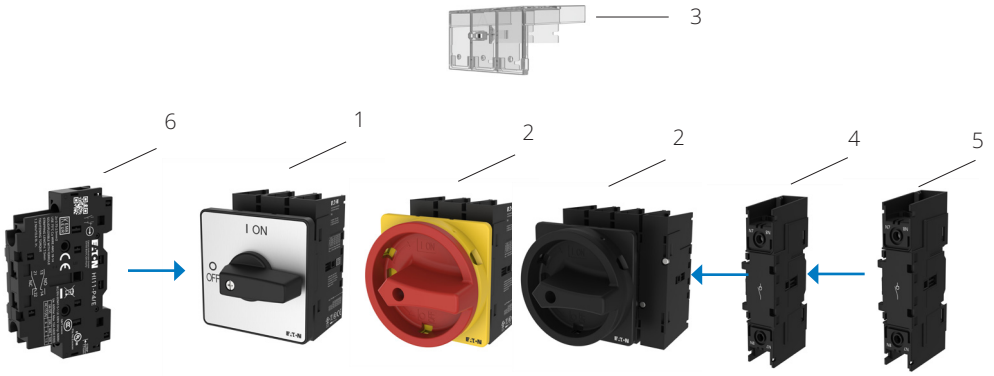
1. Rear mounting
2. Terminal cover
3. Neutral pole (N-P4/Z)
4. Terminal (P4-PE-/Z and P4-PEN/Z)
5. Auxiliary contacts (HI11-P4/Z and HI11P-P4/Z)
6. Main switch supplied with a 400 mm metal shaft and SVB handle
7. Shaft
8. K2 handles
9. CCP2 handle

P4 Switch-disconnectors - UL Rear mounting



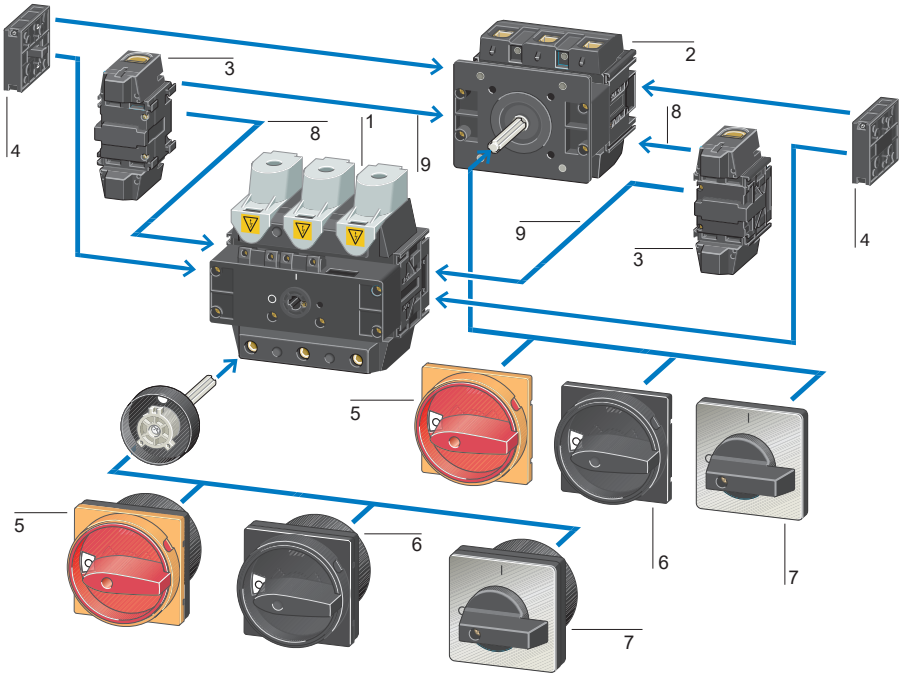
1. Rear mounting UL
2. Terminal cover
3. Neutral pole (N-P4/Z)
4. Terminal (P4-PE-/Z and P4-PEN/Z)
5. Auxiliary contacts (HI11-P4/Z and HI11P-P4/Z)
6. North American interlock kit
7. CCP2 handle
8. Shaft for CCP2 handle (not shown)

P4 Switch-disconnectors - Flush mounting



1. Flush mounting - ON-OFF switch
2. Flush mounting - Main switch
3. Terminal cover
4. Neutral pole (N-P4/E)
5. Terminal (P4-PE/E and P4-PEN/E)
6. Auxiliary contacts (HI11-P4/E and HI11P-P4/E)

P5 Switch-disconnectors

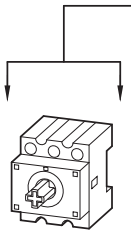


1. Rear mounting
2. Flush mounting
3. Neutral conductors
4. Auxiliary contacts
5. Main switch (kit) for use as emergency switch off device
6. Main switch (kit)
7. Thumb grip
8. Ground terminal
9. Neutral terminal

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/P3UE or
HI 11-P1/P3UZ



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	/	Accessories
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)				
P4		**125** (P4 only)				
		160 (P4 only)				
P5		**250** (P5 only				
		315 (P5 only)				

Center mounting 'EZ' P1 switch-disconnectors

P	-	Rated current (Amps)	/	Switch type, mounting form, handle type	/	Nb of poles
P1		**25** (P1 only)		**EZ**: Center 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, P3, and P4 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	/	Accessories
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		
					43 (240 x 160 mm)					
P4		**125** (P4 only)			**5** (280 x 200 mm)			**SVA(S)**: Panic switch with SVA cylinder lock		
		160 (P4 only)						**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		

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	/	Accessories
P1 **P3** **P4**		**25** (P1 only) **32** (P1 only) **40** (P1 only) **63** (P3 only) **100** (P3 only) **125** (P4 only) **160** (P4 only)		**SE1** (P1 only) **SE3** (P3 only) **SE4** (P4 only)		**SVB**: Main switch with red/yellow handle **SVB-SW**: Main switch with black handle (Blank) Switch with ON-OFF function		

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

P	-	Rated current (Amps)	/	Mounting form, switch type, handle type
P1 **P3**		**25** (P1 only) **32** (P1 only) **40** (P1 only) **63** (P3 only) **100** (P3 only)		**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

Rear mounting 'V/SVB', 'M4' and 'Z' P1, P3, P4 and P5 switch-disconnectors

P	-	Rated current (Amps)	/	Mounting form, switch type, handle type	/	Accessories
P1 **P3** **P4** **P5**		**25** (P1 only) **32** (P1 only) **40** (P1 only) **63** (P3 only) **100** (P3 only) **125** (P4 only) **160** (P4 only) **250** (P5 only) **315** (P5 only)		**V/SVB**: Rear mounting, main switch with red/yellow handle **V/SVB-SW**: Rear mounting, main switch with black handle **M4/SVB**:Rear mounting, main switch with 400 mm extension shaft with red/yellow handle **M4/SVB-SW**: Rear mounting, main switch with 400 mm extension shaft with blank handle **M4/K2-P..:** Main switch with 400 mm extension shaft with K Line K2 handle, padlockable **Z** : ON-OFF switch with black thumb grip and front plate **Z/UL98** : ON-OFF switch with black thumb grip and front plate (P4 Only) **Z/SVA(A)** : ON-OFF switch with black thumb grip and front plate and SVA cylinder locks		

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

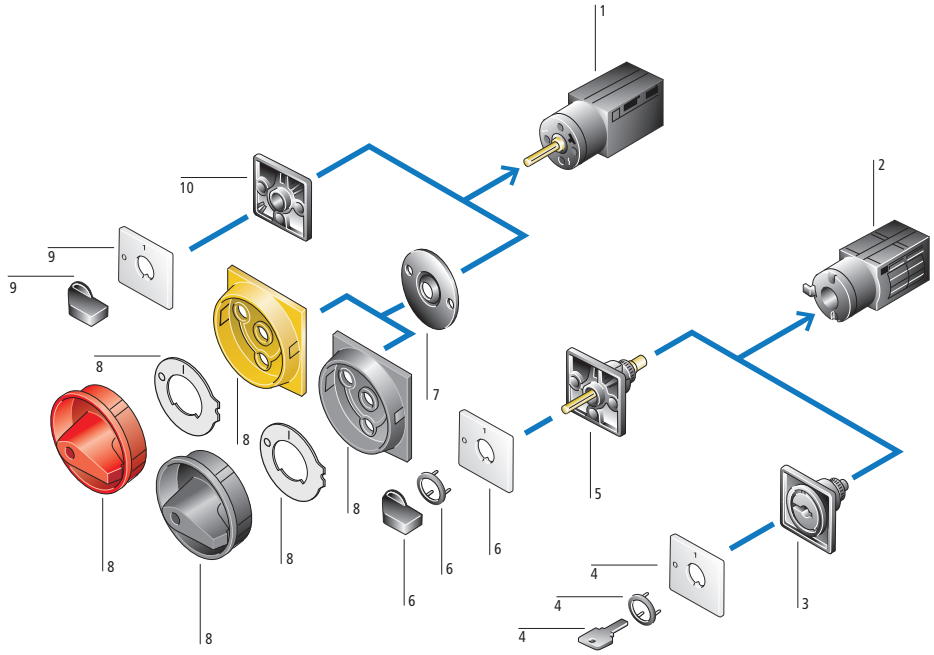
T Rotary Cam switches overview

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' Center 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		✓	✓	✓	✓		

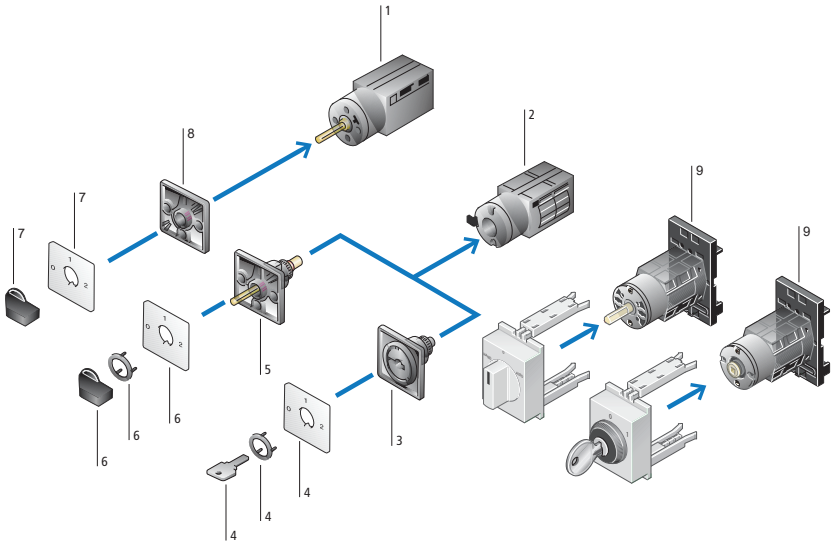
System overview

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

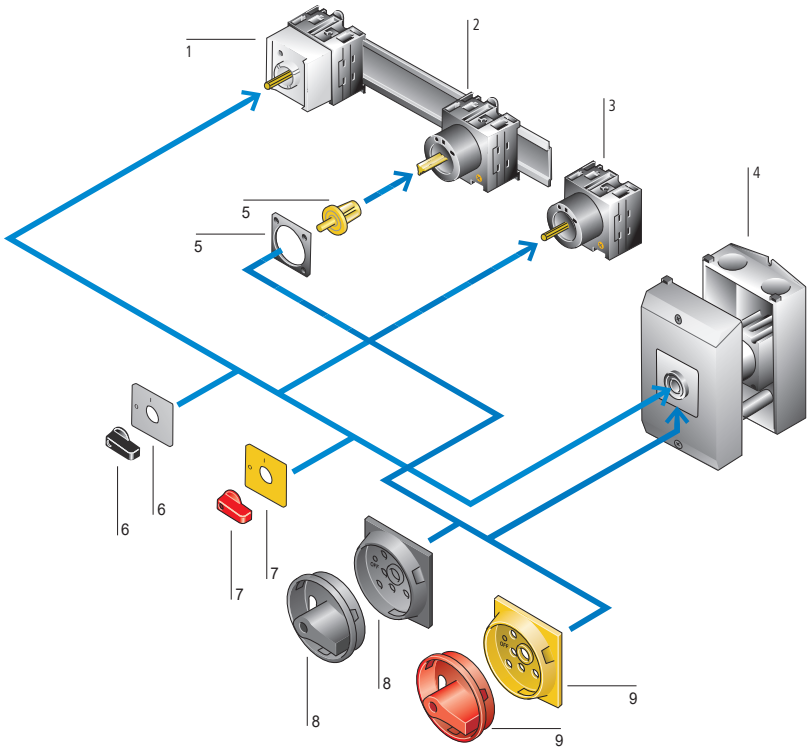
TM - Control switches



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

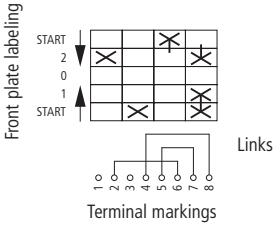
System overview

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 for use as emergency switch-off (not for Control switch)

Circuit representation for all T versions



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

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.

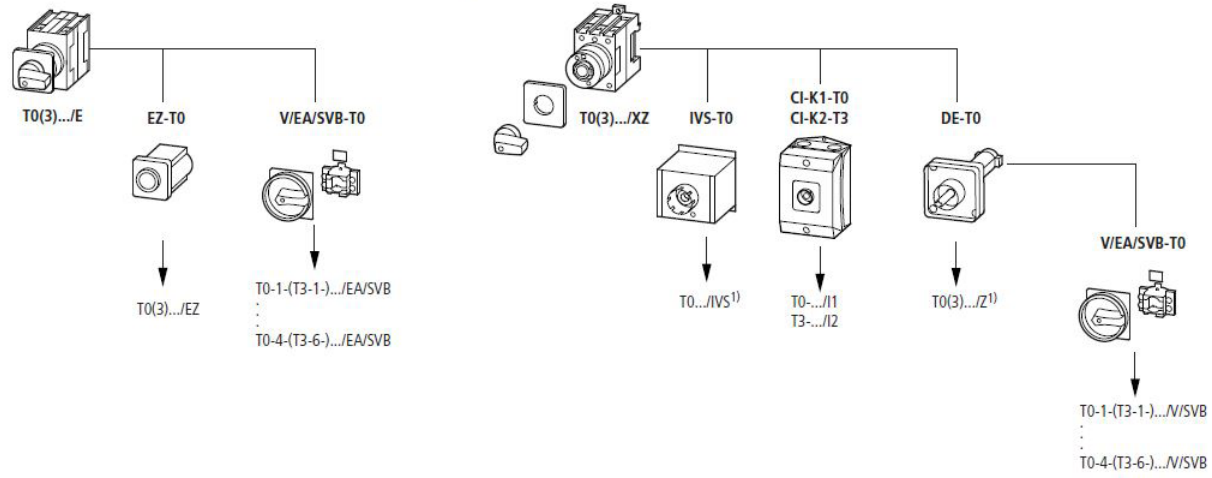
TM	-	Number of contact chambers	-	Contact sequence number	-	Mounting form	+	Accessories
TM	-	= contact units	-		-		+	

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	-		/	

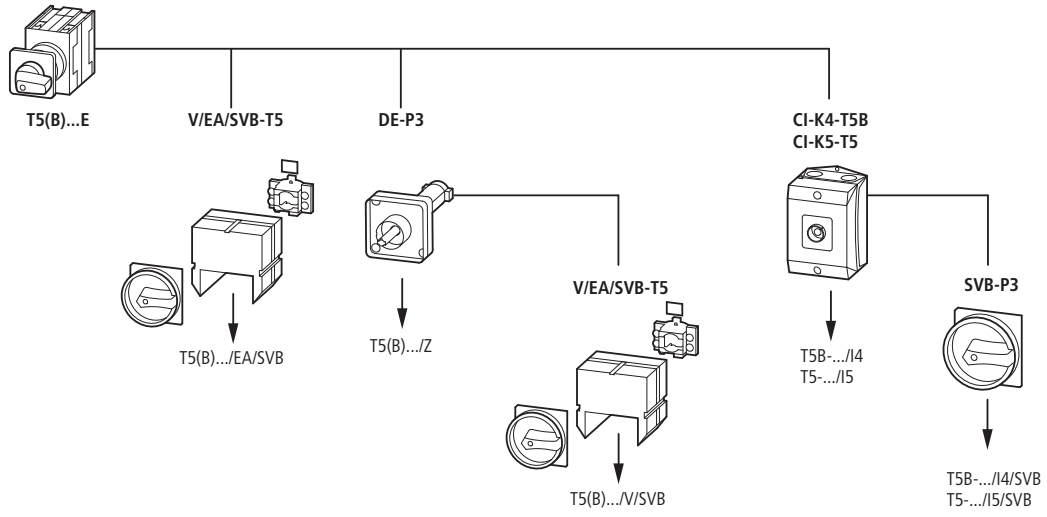
Using the modular system to convert the mounting form



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)



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	/	Accessories
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		

Center mounting 'EZ'

T	Switch size	-	Number of contact units (contact chambers)	-	Contact sequence number	/	Mounting form, switch type, handle type	/	Accessories
T	**M** (10 A) **0** (20 A) **3** (32 A)		TM: Maximum 8 chambers / 16 contacts T0/T3: maximum 11 chambers / 22 contacts				**EZ**: Center 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)	/	Accessories
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	/	Accessories
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		

Catalogue number system

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

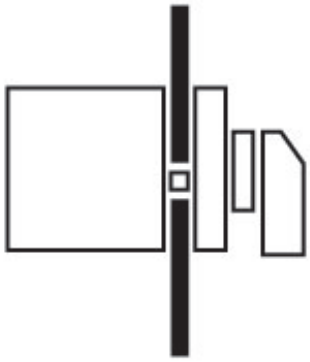
T	Switch size	-	Number of contact units (contact chambers)	/	Mounting form	Ci-K Enclosure size (H x W mm)	/	Type of switch, handle	/	Accessories
T	**0** (20 A) **3** (32 A) **5B** (63 A) **5** (100 A) **6** (160 A) **8** (315 A)		T0/T3: max 11 chambers / 22 contacts T5/TB: max 10 chambers / 20 contacts		**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 hold 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

Technical data

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

Options

- With or without emergency switch off 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



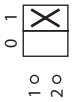
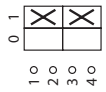
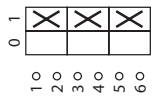
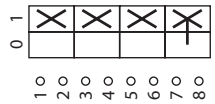
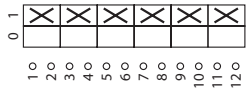
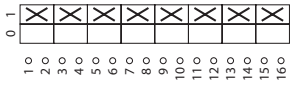
T0 Flush mounting

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	P4	P4		P5		P5
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
With auxiliary contacts		✓			✓			✓		✓						
Main switch-disconnectors		T0	P1	P1	T3	P1	P3	T5B	P3	T5	P4	P4		P5		P5
Without auxiliary contacts		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓
With auxiliary contacts		✓	✓	✓	✓	✓	✓	✓	✓					✓		✓
Changeover switch-disconnectors	TM	T0			T3			T5B	P4	T5	P4	P4	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		✓														

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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
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
			80 A	P3-80/E	EP-400919	1	✓	X
			100 A	P3-100/E	067201	1	✓	X
			125 A	P4-125/E	EP-401154	1	✓	X
			160 A	P4-160/E	EP-401222	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
			80 A	P3-80/E/N	EP-400921	1	✓	X
			100 A	P3-100/E/N	031759	1	✓	X
			125 A	P4-125/E/N	EP-401156	1	✓	X
			160 A	P4-160/E/N	EP-401224	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

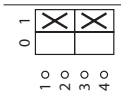
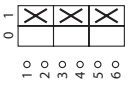
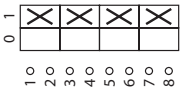
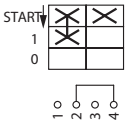


067352

Representative photo

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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

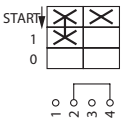
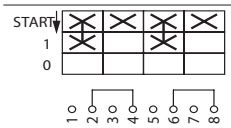
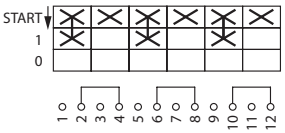
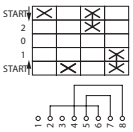


098608

Representative images

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off function

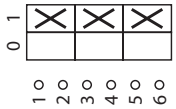
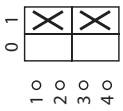
Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With Automatic (spring) return in START position								
		1	20 A	T0-1-15511/E	019875	1	✓	X
		2	20 A	T0-2-15512/E	034113	1	✓	X
		3	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 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
With locking mechanism - Key can only be withdrawn in position 0 (Pos A)								
		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

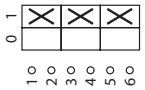


014933

Representative images

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off function

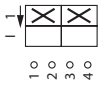
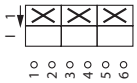
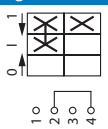
Front plate	Contact sequence	Pole N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Panic switch-disconnector fitted with a SVA Cylinder lock Supplied with two keys If the key is withdrawn in position 1 the switch can be switched 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 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



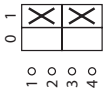
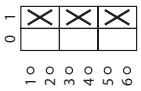
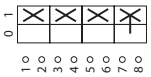
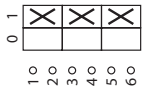
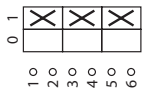


024620

Representative images

On-Off switch-disconnectors without auxiliary contacts

With emergency switch off 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/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
			80 A	P3-80/E-RT	EP-400932	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

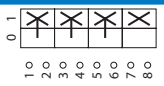
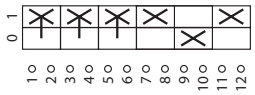
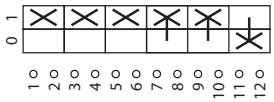
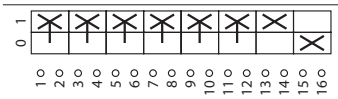


044975

Representative images

On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off 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
Without emergency switch off function										
 FS 908		3	1	0	20 A	T0-2-15679/E	029387	1	✓	X
		3	2	1	20 A	T0-3-15683/E	016619	1	✓	X
					32 A	T3-3-15683/E	014377	1	✓	X
		3 + N	1	1	20 A	T0-3-8901/E	231938	1	✓	X
					32 A	T3-3-8901/E	231949	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

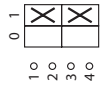
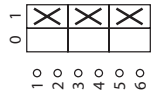
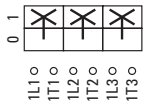
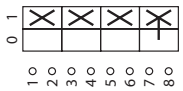
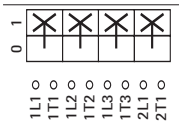
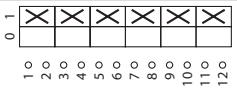
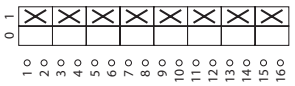


207412

Representative images

Main switch-disconnectors without auxiliary contacts

Without emergency switch off 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/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	✓	✓
			80 A	P3-80/EA/SVB-SW	EP-400929	1	✓	✓
			100 A	P3-100/EA/SVB-SW	062603	1	✓	✓
		3	125 A	P4-125/EA/SVB-SW	EP-401162	1	✓	✓
			160 A	P4-160/EA/SVB-SW	EP-401230	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	P4-125/EA/SVB-SW/N	EP-401164	1	✓	✓
			160 A	P4-160/EA/SVB-SW/N	EP-401232	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	✓

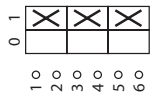
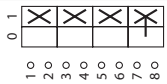
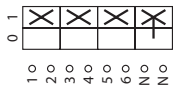
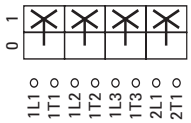
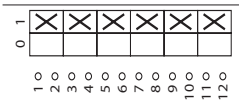
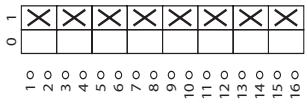


053111

Representative image

Main switch-disconnectors without auxiliary contacts

With emergency switch off 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	✓	✓
			80 A	P3-80/EA/SVB	EP-400924	✓	✓
			100 A	P3-100/EA/SVB	074320	✓	✓
			125 A	P4-125/EA/SVB	EP-401158	✓	✓
			160 A	P4-160/EA/SVB	EP-401226	✓	✓
			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	✓	✓
			80 A	P3-80/EA/SVB/N	EP-400927	✓	✓
			100 A	P3-100/EA/SVB/N	019890	✓	✓
		3 + N	125 A	P4-125/EA/SVB/N	EP-401160	✓	
			160 A	P4-160/EA/SVB/N	EP-401228	✓	✓
			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	✓

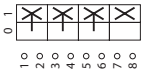
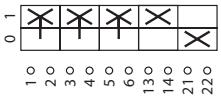
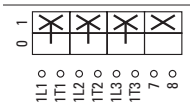
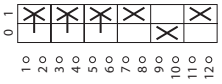
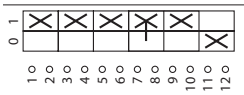
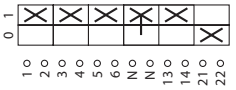
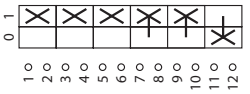
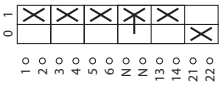
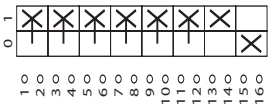


041097

Representative image

Main switch-disconnectors with auxiliary contacts

Without emergency switch off 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/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	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	✓	✓
					80 A	P3-80/EA/SVB-SW/N/HI11	EP-400931	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	✓

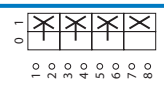
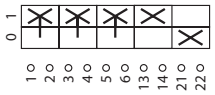
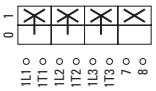
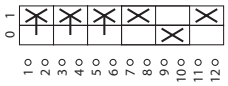
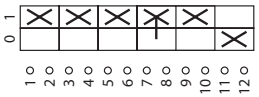
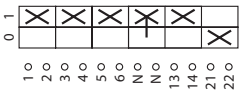
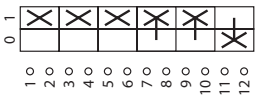
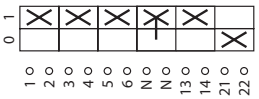
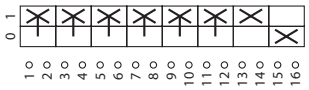


231946

Representative photo

Main switch-disconnectors with auxiliary contacts

With emergency switch off function

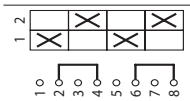
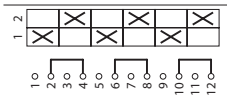
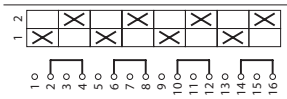
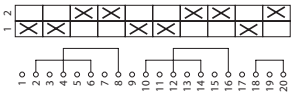
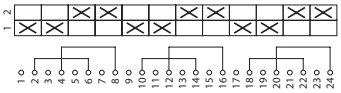
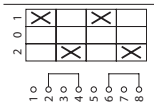
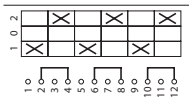
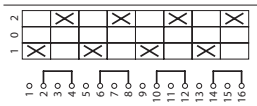
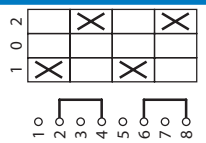
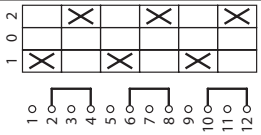
Front plate	Contact sequence	Number of poles N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/EA/SVB	081588	✓	✓
		3	1	1	25 A	P1-25/EA/SVB/HI11	091080	✓	✓
					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	✓	✓
					80 A	P3-80/EA/SVB/HI11	EP-400926	✓	✓
					100 A	P3-100/EA/SVB/HI11	029383	✓	✓
		3	1	0	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	✓	✓
					80 A	P3-80/EA/SVB/N/HI11	EP-400928	✓	✓
					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

Representative photo

Without emergency switch off 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/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

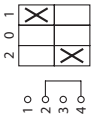
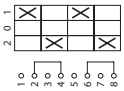
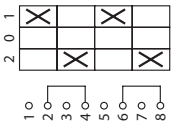
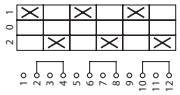
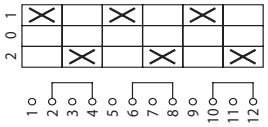
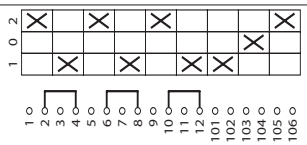
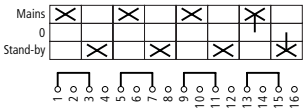
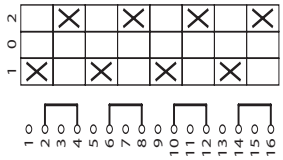
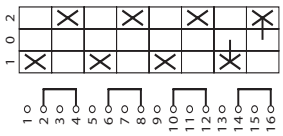


017926

Representative photo

Changeover switch-disconnectors

Without emergency switch off 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	✓



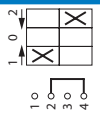
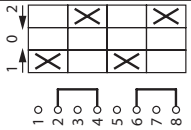
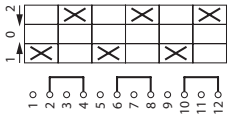
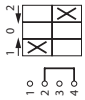
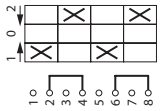
029353



019871

Representative photos

Without emergency switch off 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

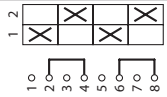
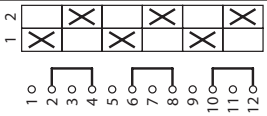
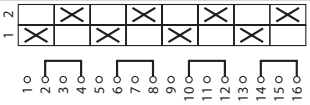
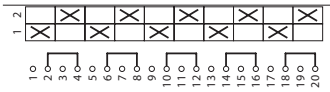
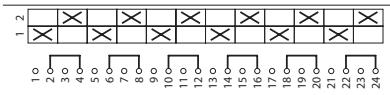
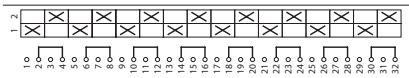


032164

Representative photos

Changeover switch-disconnectors

Without emergency switch off 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 without 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

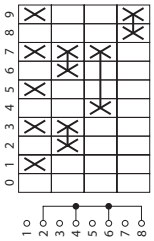
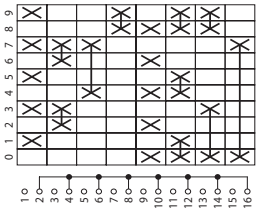
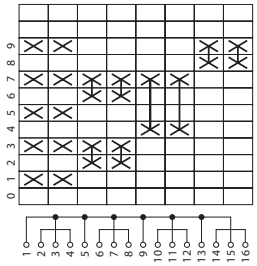


060204

Representative photos

Coding switch-disconnectors

Without emergency switch off 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

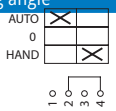
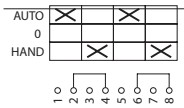
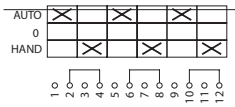
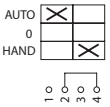
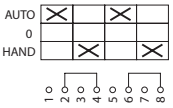
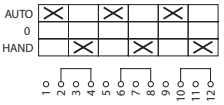
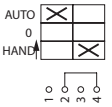
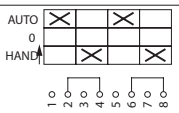
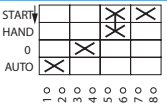
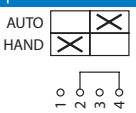
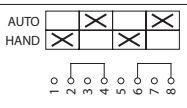
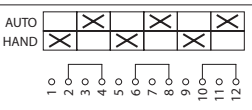

025046


029368

Representative photos

Manual/auto switch-disconnectors

Without emergency switch off function

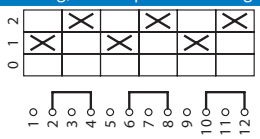
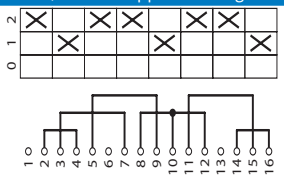
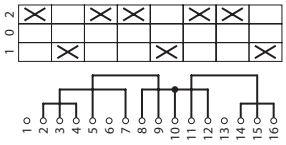
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
60° Switching angle								
 F 085		1	10 A	TM-1-15431/E	025045	1	✓	X
		2	10 A	TM-2-15432/E	027418	1	✓	X
		3	10 A	TM-3-15433/E	029791	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

Representative photo

Without emergency switch off 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



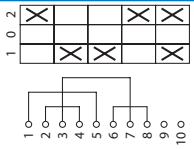
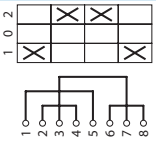
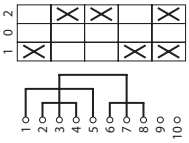
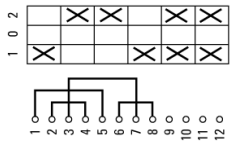
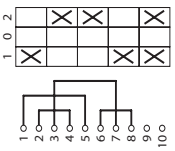


038849

Representative photos

Reversing switch-disconnectors

Without emergency switch off function

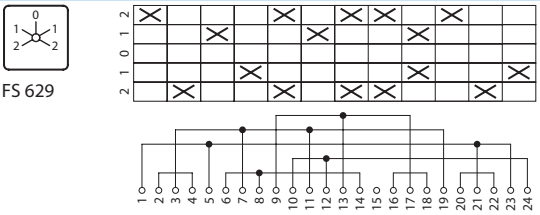
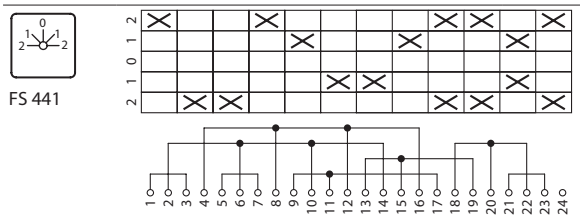
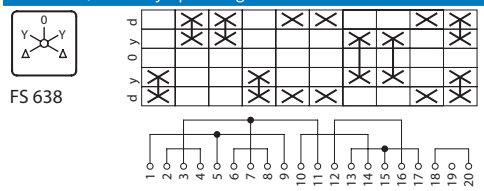
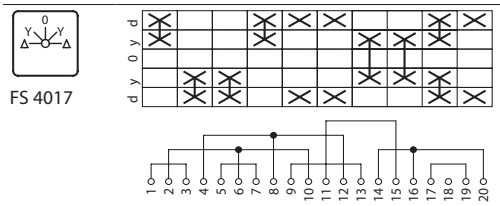
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Reversing switches 60°								
 F 071		3	10 A	TM-3-8401/E	015554	1	✓	X
Without Automatic (spring) return to 0 (Off) position,								
 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

Representative photos

Without emergency switch off function

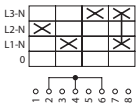
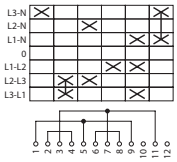
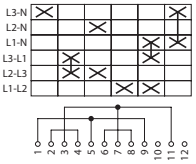
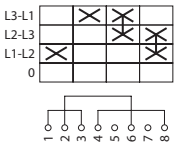
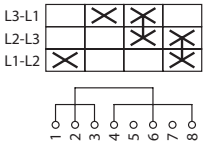
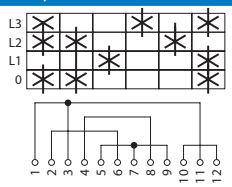
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, 2 directions, for one tapped winding								
FS 629			20 A	T0-6-15866/E	055460	1	✓	X
			32 A	T3-6-15866/E	054744	1	✓	X
FS 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

Representative photo

Without emergency switch off 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

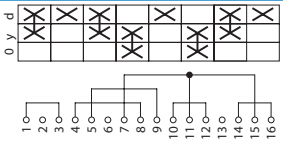




095813

Representative photo

Without emergency switch off 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

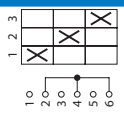
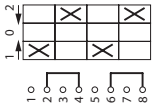
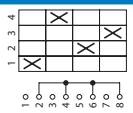
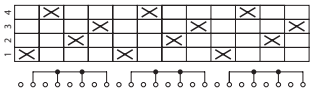
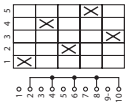
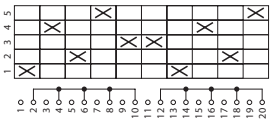
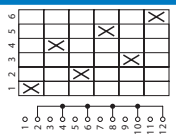
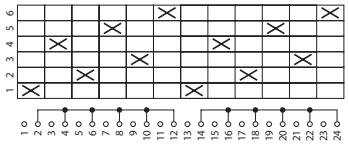
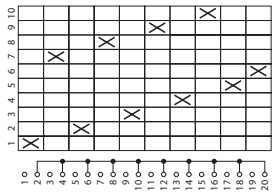


092052

Representative photo

Step switch-disconnectors

Without emergency switch off function

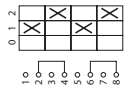
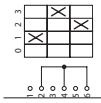
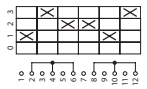
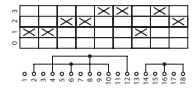
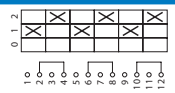
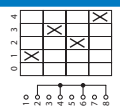
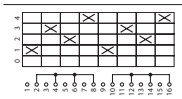
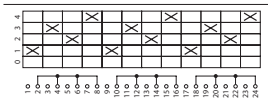
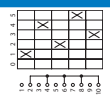
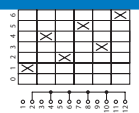
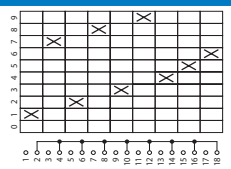
Front plate	Contact sequence	N/0	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
3 steps 60°									
 F 076			1	10 A	TM-2-8230/E	039283	1	✓	X
			3	10 A	TM-5-8270/E	041656	1	✓	X
4 steps 60°									
			1	10 A	TM-2-8231/E	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									
			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

Representative photo

Without emergency switch off 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

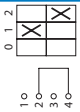
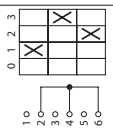
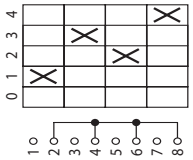
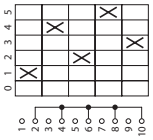
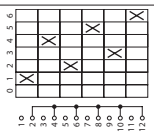
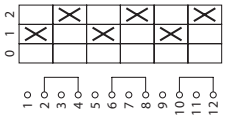
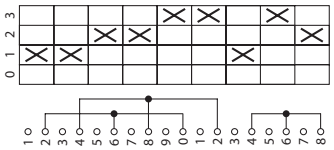
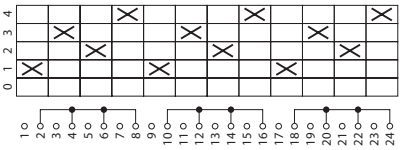


072505

Representative photo

Step switch-disconnectors

Without emergency switch off function

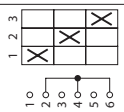
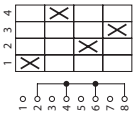
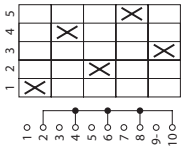
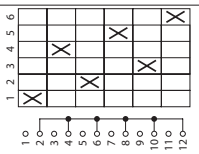
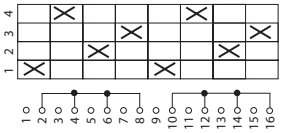
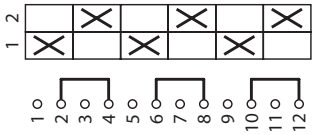
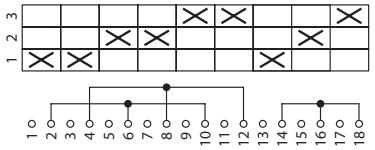
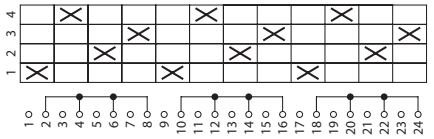
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (Off) position								
 FS 418		1	20 A	T0-1-8240/E	034105	1	✓	X
 FS 420		1	20 A	T0-2-8241/E	050716	1	✓	X
 FS 422		1	20 A	T0-2-8242/E	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

Representative photo

Without emergency switch off function

Front plate	Contact sequence	Number of poles N/O I	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without O (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

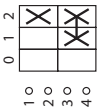


091059

Representative photo

Selector switch-disconnectors for heating

Without emergency switch off function

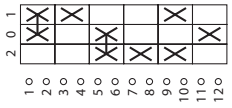
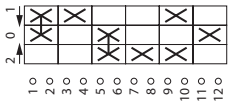
Front plate	Contact sequence	Rated current	Number of poles N/O	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With O (OFF) position								
 FS 614		20 A	1	T0-1-91/E	072082	1	✓	X



072082

Universal control switch-disconnectors

Without emergency switch off 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

P1 and P3 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

P5 Neutral terminal

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
Neutral terminal	N-P5-250/315E	280971	1	✓	P5-250/315/E(EA)



280969

P5 Ground terminal

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for
	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-P1/P3UE	EP-400893	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
	HI21-P5-250/315E	280965	1		P5-250 and 315	Flush mounting /EA or /E



Representative photos

Flush mounting to Center mounting convertor

- For single hole fitting 22.3 mm
- To convert a Flush mounting switch into a Center 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	✓	TO, 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 ∅ 20 mm + 2 x ∅ 15 mm Cross section: 5 x 6 mm², 5 x 2.5 mm²	H3-T0	093828	1	✓	TO, 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

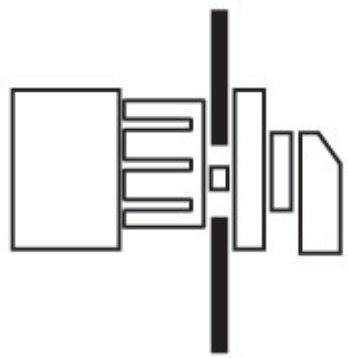
Product standards	UL 60947-4-1 CSA - C22-.2 No 14-05, CSA - C22-2 No 94 IEC/EN 60947-3 CE Marking
UL File No	E54120
UL CCN	MITW2
CSA File No	12528
CSA Class No	3211-07
NA Certification	UL Listed, CSA Certified
Degree of protection	IEC: IP65 UL/CSA Type 1, 3R, 4X, 12, 13 - indoor and outdoor use



207439

Representative photos

Center mounting switch-disconnectors



Description

Center 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

Technical data

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



TM Center mounting

Features

- Available with or without emergency switch off 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



T0 Center mounting

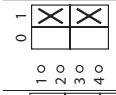
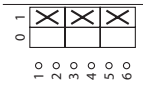
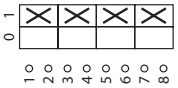
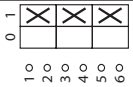
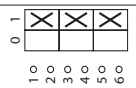
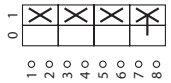
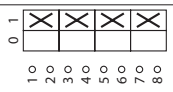
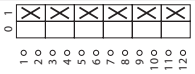
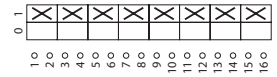
Representative photos

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 switch-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	✓	✓				

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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
 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
		6	20 A	T0-3-8342/EZ	045997	1	✓	X
		8	20 A	T0-4-8344/EZ	014002	1	✓	X
			32 A	T3-4-8344/EZ	020595	1	✓	X

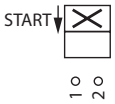
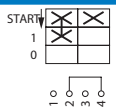
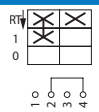
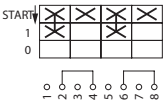
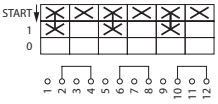
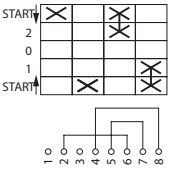
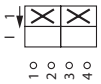
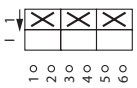
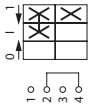


015073

Representative photo

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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



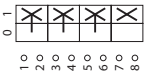
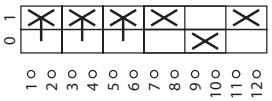
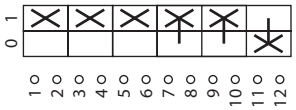
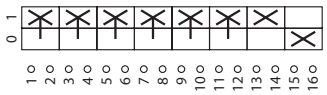


012755

Representative photos

On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off 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/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

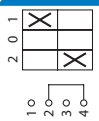
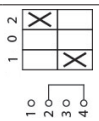
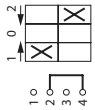
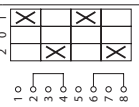
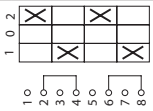
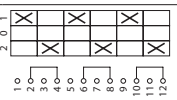
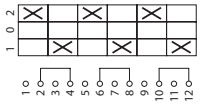
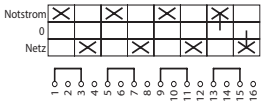
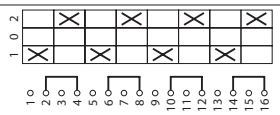
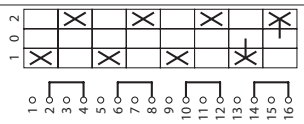
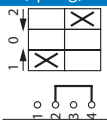
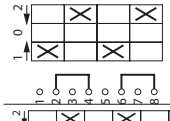
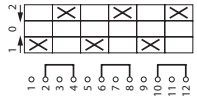


231950

Representative photo

Changeover switch-disconnectors

Without emergency switch off function

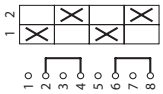
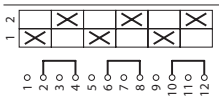
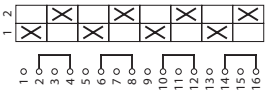
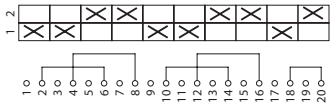
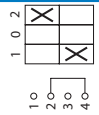
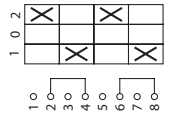
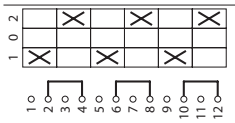
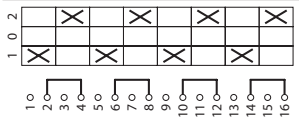
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With 0 (OFF) position								
 FS 429		1	20 A	T0-1-15421/EZ	098179	1	✓	X
 FS 684		1	20 A	T0-1-8210/EZ	048337	1	✓	X
			32 A	T3-1-8210/EZ	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 O (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

Representative photo

Without emergency switch off function

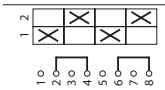
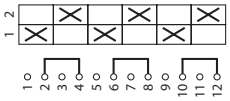
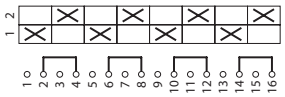
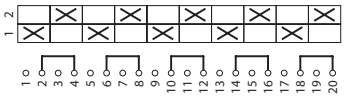
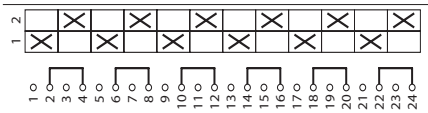
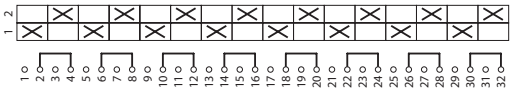
Front plate	Contact sequence	Number of poles N/0 I	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without 0 (OFF) position 60°								
 F 072		1	10 A	TM-1-8220/EZ	000692	1	✓	X
		2	10 A	TM-2-8221/EZ	015197	1	✓	X
		3	10 A	TM-3-8222/EZ	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

Representative photo

Without emergency switch off function

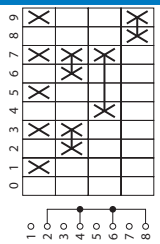
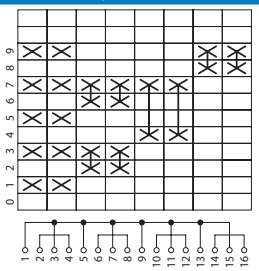
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Two way switch, without emergency switching off/emergency stop function								
 FS 943		1	20 A	T0-1-8220/EZ	095799	1	✓	X
		2	20 A	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

Representative photo

Without emergency switch off 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



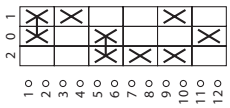
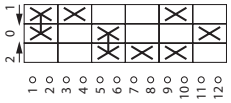


031741

Representative photos

Control switch-disconnectors

Without emergency switch off 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

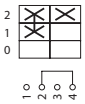
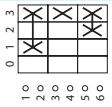




031738

Group switch-disconnectors

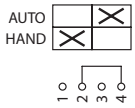
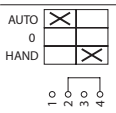
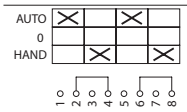
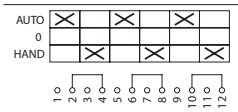
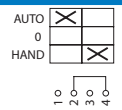
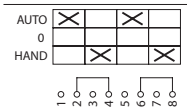
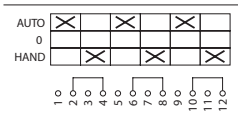
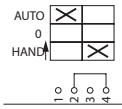
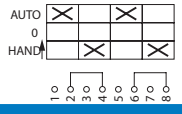
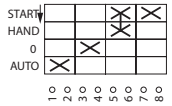
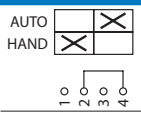
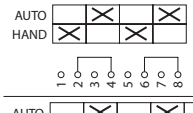
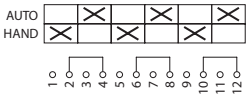
Without emergency switch off function

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

Representative photo

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



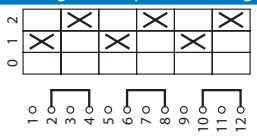
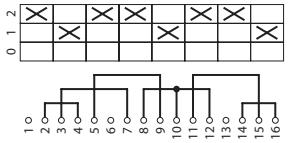
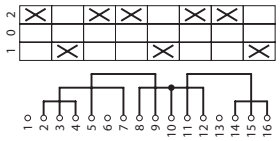


079197

Representative photos

Multi speed switch-disconnectors

Without emergency switch off function

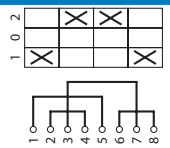
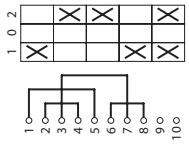
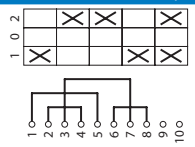
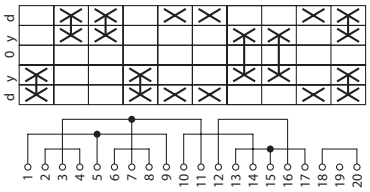
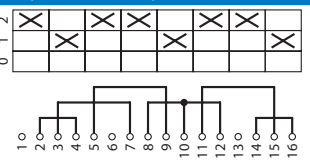
Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/EZ	083936	1	✓	X
			32 A	T3-3-8451/EZ	000956	1	✓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

Representative photo

Without emergency switch off 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, 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

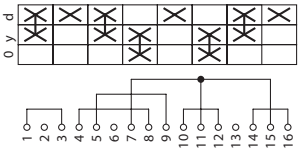


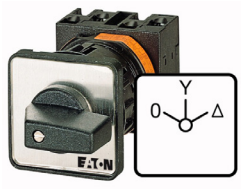
012747

Representative photos

Reversing star delta switch-disconnectors

Without emergency switch off function

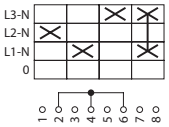
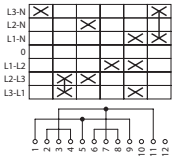
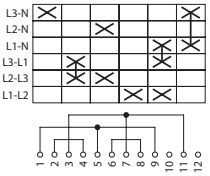
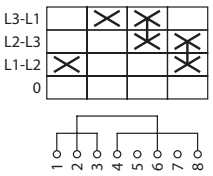
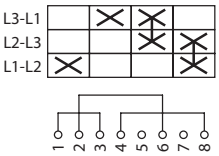
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 635		3	20 A	T0-4-8410/EZ	053080	1	✓	X
			32 A	T3-4-8410/EZ	000721	1	✓	X



000721

Representative photo

Without emergency switch off 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



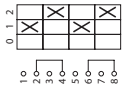
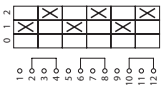
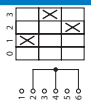
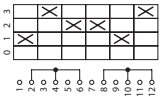
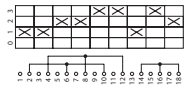
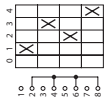
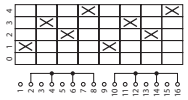
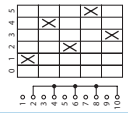
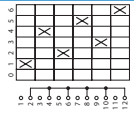
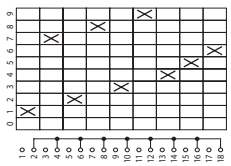


098186

Representative photo

Step switch-disconnectors

Without emergency switch off function

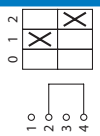
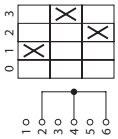
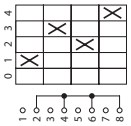
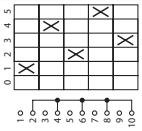
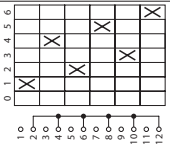
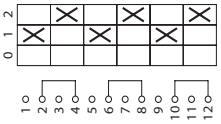
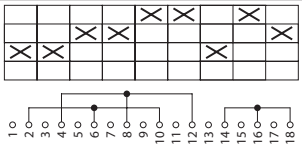
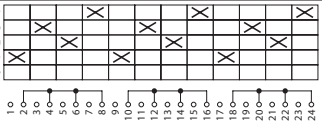
Front plate	Contact sequence	Rated current	Number of poles N/0 |	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 steps 60°								
 F 075		10 A	1	TM-1-8240/EZ	015226	1	✓	X
		10 A	2	TM-2-8260/EZ	045483	1	✓	X
		10 A	3	TM-3-8280/EZ	045496	1	✓	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

Representative photo

Without emergency switch off function

Front plate	Contact sequence	Number of poles N/O / I	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With O (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



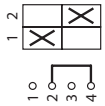
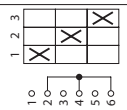
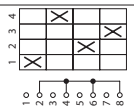
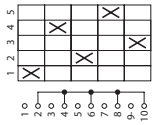
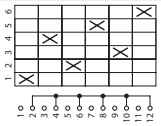
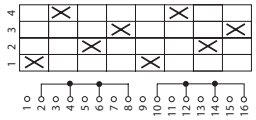
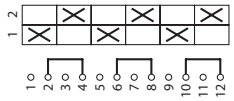
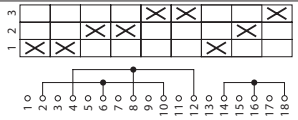
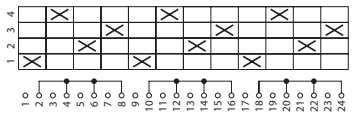


043597

Representative photo

Step switch-disconnectors

Without emergency switch off function

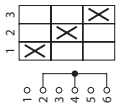
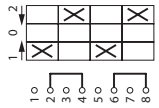
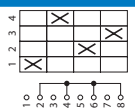
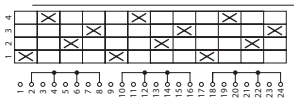
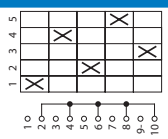
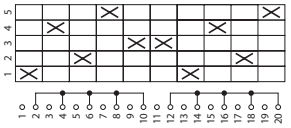
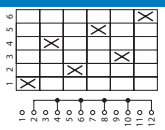
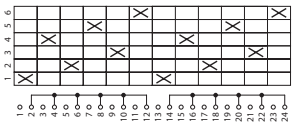
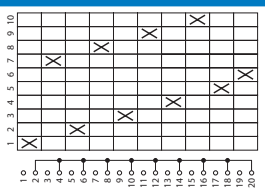
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without O (Off) position								
 FS 943		1	20 A	T0-1-8220/EZ	095799	1	✓	X
 FS 404		1	20 A	T0-2-8230/EZ	091058	1	✓	X
 FS 606		1	20 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

Representative photo

Without emergency switch off 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

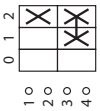


015630

Representative photo

Step switch-disconnector for heating

Without emergency switch off 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/EZ	074455	1	✓	X





074455

Accessories

Key operated lock mechanism

For ordering with base switch unit		For ordering as a standalone unit		
Part number	Article number	Part number	Article number	Key withdrawable in position
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°

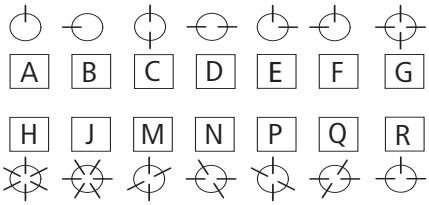


Key operation lock mechanism, including 2 keys.

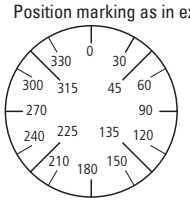
The key can only be removed in certain positions; see diagram. The MICROMEC lock for 90° can be used for other switching angles as well if the key withdrawability characteristics match the type of switch.

Example: +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

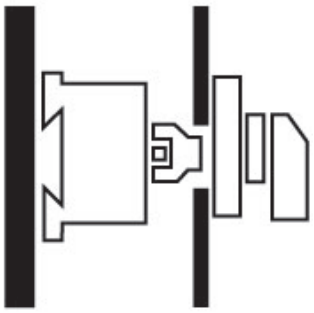


Position marking as in example



Representative photos

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

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 switch off 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

Representative photos

Range overview - IEC and UL98

IEC Range overview

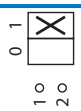
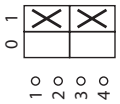
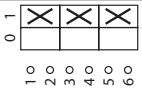
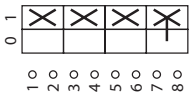
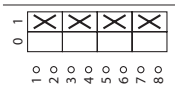
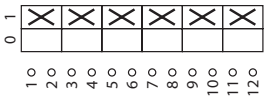
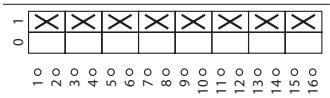
Rated current	20 A	25 A	32 A		40 A	63 A		100 A		125 A	160 A		250 A	275 A	315 A
On-Off switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	P3	T5	P4	P4	T6	P5		P5
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
With auxiliary contacts	✓			✓			✓		✓						
Main switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	P3	T5			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		P4	P4				
Without auxiliary contacts		✓	✓		✓	✓		✓		✓	✓				
With auxiliary contacts		✓	✓		✓	✓		✓							
Changeover switch-disconnectors	T0			T3			T5B		T5	P4	P4				
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	✓														

UL98 P4 Range overview

Rated current	30 A	60 A	100 A
On-Off switch-disconnectors	P4	P4	P4
Without auxiliary contacts	✓	✓	✓

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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/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
			30 A	P4-30/Z/UL98	EP-401206	1	✓	X
			32 A	P1-32/Z	098049	1	✓	X
			40 A	P1-40/Z	199964	1	X	X
			60 A	P4-60/Z/UL98	EP-401274	1	✓	X
			63 A	P3-63/Z	050591	1	✓	X
			80 A	P3-80/Z	EP-400975	1	✓	X
			100 A	P3-100/Z	090931	1	✓	X
			100 A	P4-100/Z/UL98	EP-401117	1	✓	X
			125 A	P4-125/Z	EP-401190	1	✓	X
			160 A	P4-160/Z	EP-401258	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
			80 A	P3-80/Z/N	EP-400978	1	✓	X
			100 A	P3-100/Z/N	038878	1	✓	X
			125 A	P4-125/Z/N	EP-401192	1	✓	X
			160 A	P4-160/Z/N	EP-401260	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

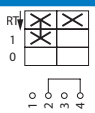
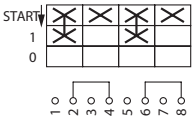
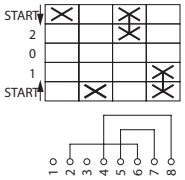
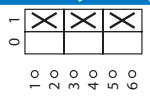
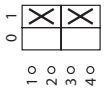
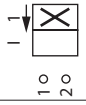


015148

Representative photo

On-Off switch-disconnectors without auxiliary contacts

Without emergency switch off 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
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

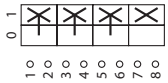
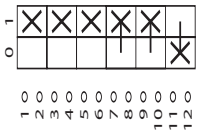
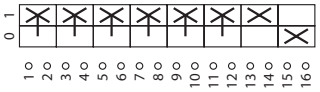


014971

Representative photos

On-Off switch-disconnectors with auxiliary contacts

Without emergency switch off 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/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



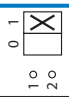
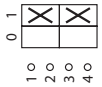
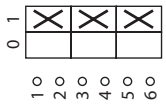
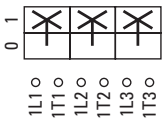
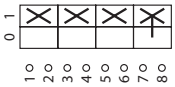
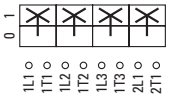
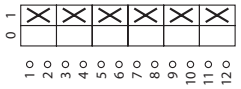
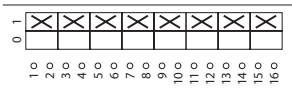


231952

Representative photo

Main switch-disconnectors without auxiliary contacts

Without emergency switch off 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/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	✓	✓
			80 A	P3-800/V/SVB-SW	EP-400969	1	✓	✓
			100 A	P3-100/V/SVB-SW	064976	1	✓	✓
		3	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	✓	✓
			80 A	P3-80/V/SVB-SW/N	EP-400971	1	✓	✓
			100 A	P3-100/V/SVB-SW/N	027009	1	✓	✓
		3 + N	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	✓

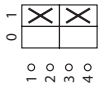
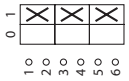
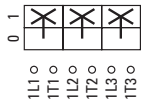
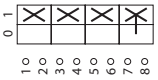
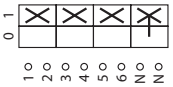
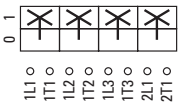
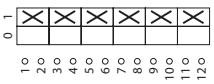
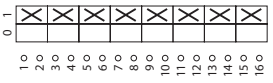


021493

Representative photo

Main switch-disconnectors without auxiliary contacts

With emergency switch off 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	✓	✓
			80 A	P3-80/V/SVB	EP-400963	1	✓	✓
			100 A	P3-100/V/SVB	088558	1	✓	✓
		3	250 A	P5-250/V/SVB	280942	1	✓	✓
			315 A	P5-315/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	✓	✓
			80 A	P3-80/V/SVB/N	EP-400966	1	✓	✓
			100 A	P3-100/V/SVB/N	024636	1	✓	✓
		3 + N	250 A	P5-250/V/SVB/N	280944	1	✓	✓
			315	P5-315/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	✓

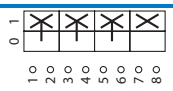
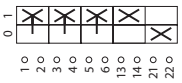
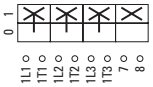
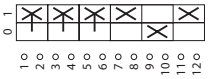
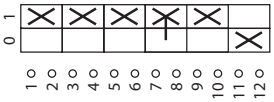
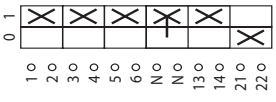
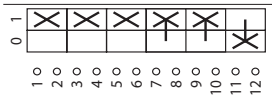
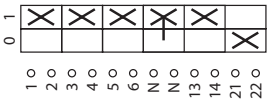
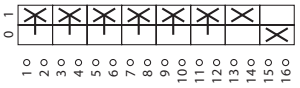
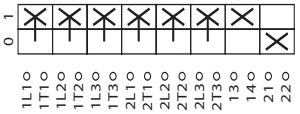
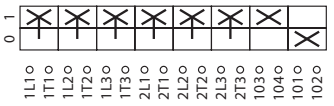


280958

Representative photo

Main switch-disconnectors with auxiliary contacts

Without emergency switch off 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	✓	✓
					80 A	P3-80/V/SVB-SW/HI11	EP-400970	1	✓	✓
					100 A	P3-100/V/SVB-SW/HI11	036502	1	✓	✓
		3	1	0	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	✓	✓
					80 A	P3-80/V/SVB-SW/N/HI11	EP-400972	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	✓

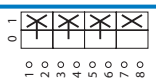
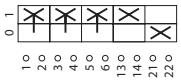
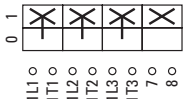
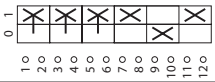
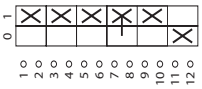
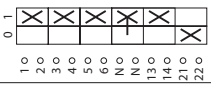
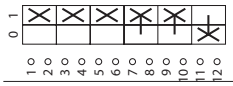
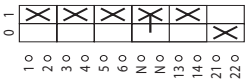
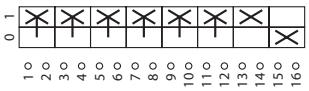
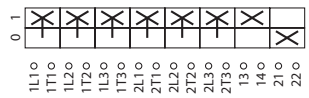
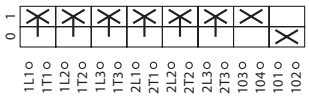


199959

Representative photo

Main switch-disconnectors with auxiliary contacts

With emergency switch off 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	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	✓	✓
					80 A	P3-80/V/SVB/HI11	EP-400965	1	✓	✓
					100 A	P3-100/V/SVB/HI11	034129	1	✓	✓
		3	1	0	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	✓	✓
					80 A	P3-80/V/SVB/N/HI11	EP-400967	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	✓

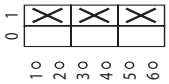
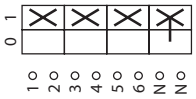
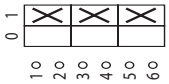
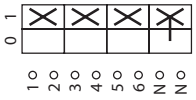
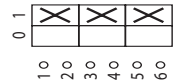
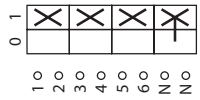


199956

Representative photo

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

Without emergency switch off 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	80 A	P3-80/M4/SVB-SW	EP-400951	1	✓	✓
			3	100 A	P3-100/M4/SVB-SW	172819	1	✓	✓
			3	125 A	P4-125/M4/SVB-SW	EP-401170	1	✓	✓
			3	160 A	P4-160/M4/SVB-SW	EP-401238	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	✓	✓
			3 + N	125 A	P4-125/M4/SVB-SW/N	EP-401172	1	✓	✓
			3 + N	160 A	P4-160/M4/SVB-SW/N	EP-401240	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	80 A	P3-80/M4/K2-PG	EP-400940	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	80 A	P3-80/M4/K2-PG/N	EP-400942	1	✓	✓
			3 + N	100 A	P3-100/M4/K2-PG/N	172829	1	✓	✓

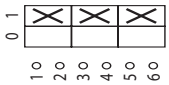
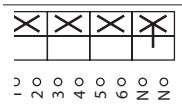
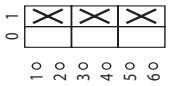
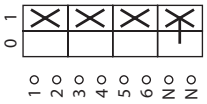
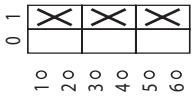
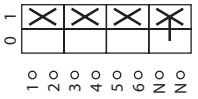


172772

Representative photo

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

With emergency switch off 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	80 A	P3-80/M4/SVB	EP-400948	1	✓	✓
			3	100 A	P3-100/M4/SVB	172818	1	✓	✓
			3	125 A	P4-125/M4/SVB	EP-401166	1	✓	✓
			3	160 A	P4-160/M4/SVB	EP-401234	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	✓	✓
			3 + N	125 A	P4-125/M4/SVB/N	EP-401168	1	✓	✓
			3 + N	160 A	P4-160/M4/SVB/N	EP-401236	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	80 A	P3-80/M4/K2-PR	EP-400944	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	80 A	P3-80/M4/K2-PR/N	EP-400946	1	✓	✓
			3 + N	100 A	P3-100/M4/K2-PR/N	172828	1	✓	✓

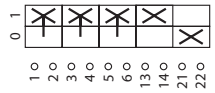
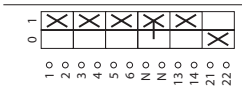
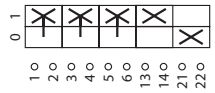
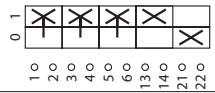
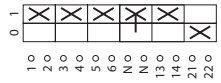
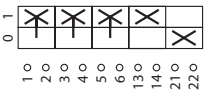
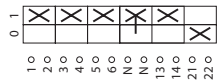


172875

Representative photo

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

Without emergency switch off function

Front plate	Handle type	Contact sequence	Number of poles N/O	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	80 A	P3-80/M4/SVB-SW/N/HI11	EP-400954	1	✓
			3 + N	1	1	100 A	P3-100/M4/SVB-SW/N/HI11	172825	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	80 A	P3-80/M4/K1-PG/N/HI11	EP-400941	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	80 A	P3-80/M4/K1-PG/N/HI11	EP-400943	1	✓
			3 + N	1	1	100 A	P3-100/M4/K1-PG/N/HI11	172833	1	✓

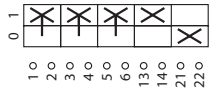
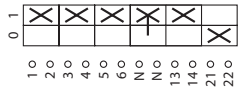
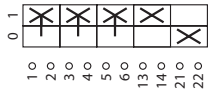
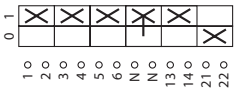
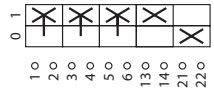
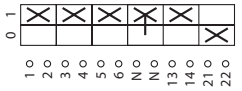


172870

Representative photo

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

With emergency switch off 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	80 A	P3-80/M4/SVB/HI11	EP-400949	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	80 A	P3-80/M4/SVB/N/HI11	EP-400950	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	80 A	P3-80/M4/K2-PR/HI11	EP-400945	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	80 A	P3-80/M4/K2-PR/N/HI11	EP-400947	1	✓
			3 + N	1	1	100 A	P3-100/M4/K2-PR/N/HI11	172832	1	✓

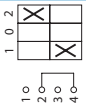
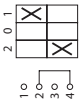
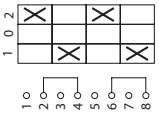
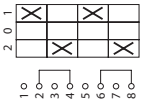
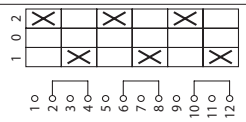
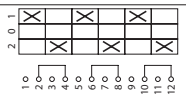
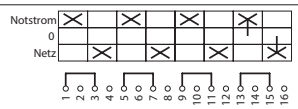
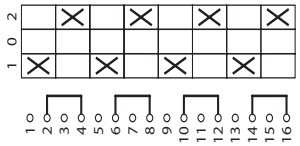
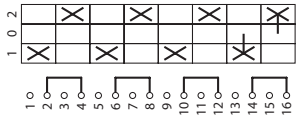


199939

Representative photo

Changeover switch-disconnectors

Without emergency switch off 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



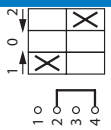
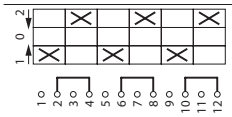
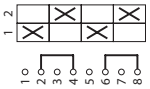
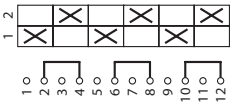
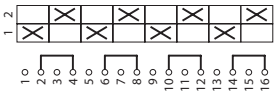
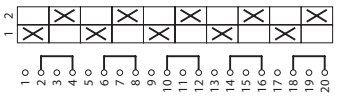
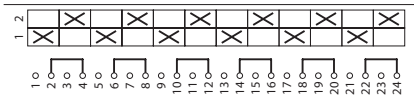
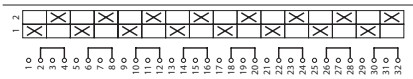


092383

Representative photo

Changeover switch-disconnectors

Without emergency switch off 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 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 O (OFF) position								
 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

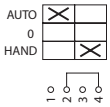
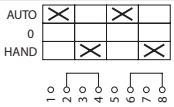
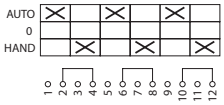
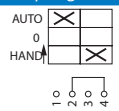
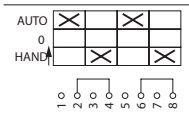
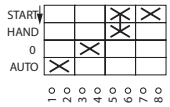
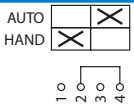
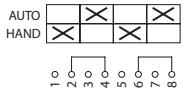
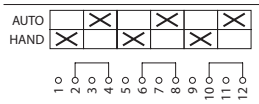


050720

Representative photos

Manual/auto switch-disconnectors

Without emergency switch off 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

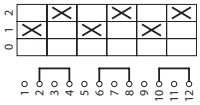
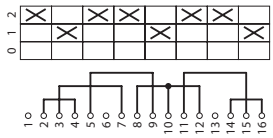
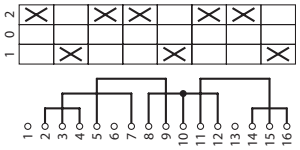




010381

Representative photo

Without emergency switch off 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



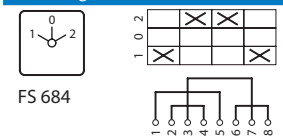
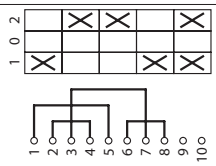
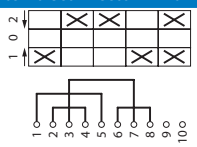
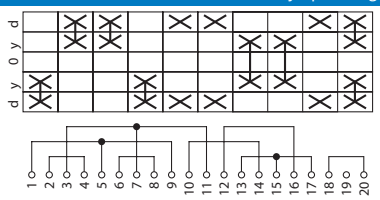
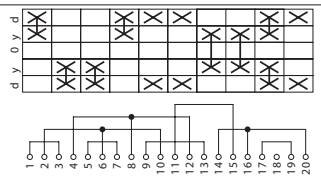
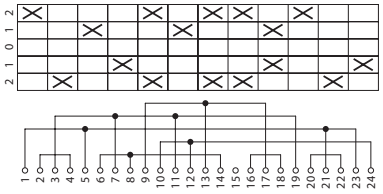


043596

Representative photo

Reversing switch-disconnectors

Without emergency switch off 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/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



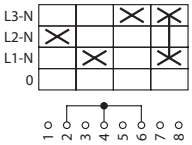
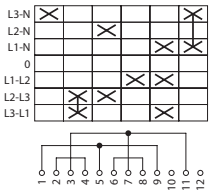
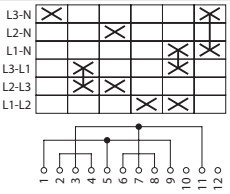
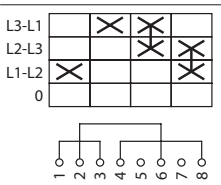
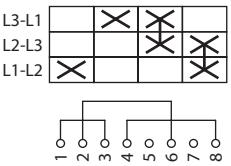
074437



214786

Representative photos

Without emergency switch off function

Front plate	Contact sequence	Number of poles	Pole N/0 | I	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

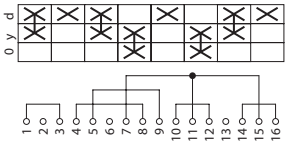




015132

Representative photo

Without emergency switch off 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

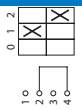
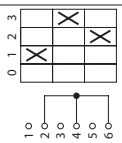
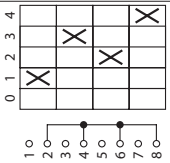
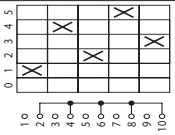
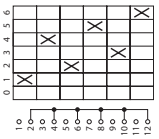
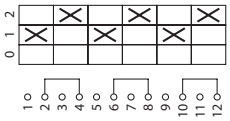
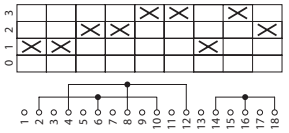
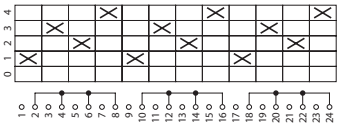




012030

Representative photo

Without emergency switch off 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 O (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

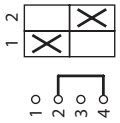
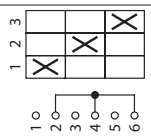
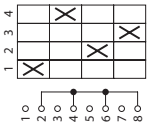
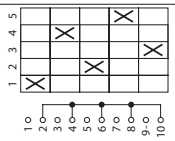
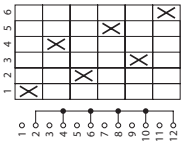
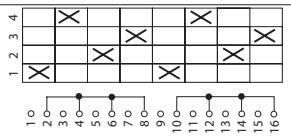
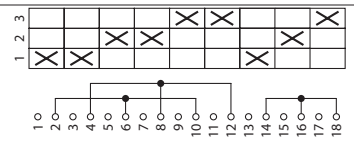
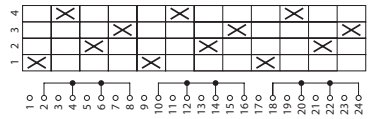


057836

Representative photo

Step switch-disconnectors

Without emergency switch off 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 O (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



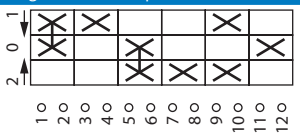


098177

Representative photo

Universal control switch-disconnectors

Without emergency switch off 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

Representative photo

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

- Flush 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-P5-250/315Z	280972	1	X	P5-250 and 315	Rear mounting /V



Ground terminal

- Flush 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-P5-250/315Z	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/P3UZ	EP-400892		✓	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



Representative photos

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-P5-250/315Z	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

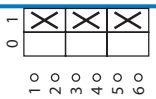
Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Extension to 25 mm when ordering with basic unit	+ZAV(X1)+ZVV(X1)-T0/P3	254546	1	✓	P5	Rear mounting /Z



Representative photos

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	80 A	P3-80/XM	EP-400973	
		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	
Knob	P4	Red/Yellow	Cylinder lock/key	P4 K2SDR/C	1059793	1	
Knob	P4	Grey	Cylinder lock/key	P4 K2SDG/C	1059799A	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

CCP2 Handles

Description	Part number	Pack qty
Black and grey handle	CCP2-H4X-B1	10
Red and yellow handle	CCP2-H4X-R1	10



CCP2-H4X-R1

Metal shafts

Length	Part number	Article number	Pack qty
400 mm	P1/P3-M400	172844	10
600 mm	P1/P3-M600	172845	10
400 mm	P4-M400/CCP2	EP-401148	10



172844

Representative photos

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	TO	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

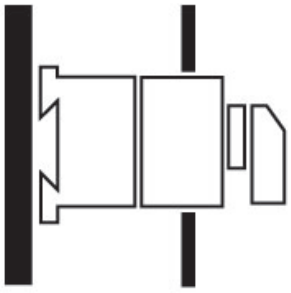


207441

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

Representative photos

Service distribution board mounting switch-disconnectors



Description

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

Standards/Approvals

Technical data

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

Features

- Available with or without emergency switch off 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



T0 Service distribution board mounting



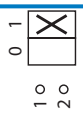
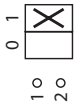
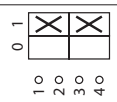
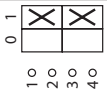
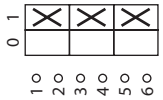
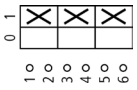
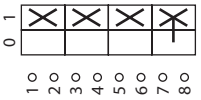
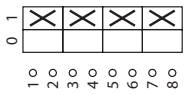
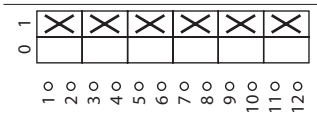
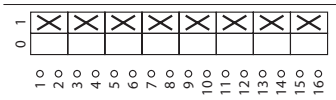
T0 Service distribution board mounting

Representative photos

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 switch-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		✓					

On-Off switch-disconnectors without auxiliary contact

Without emergency switch off 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
			80 A	P3-80/IVS	EP-400934	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
			80 A	P3-80/IVS/N	EP-400936	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



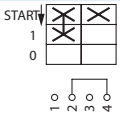
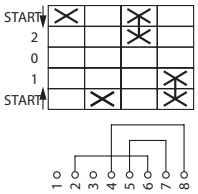
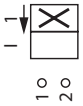
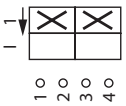
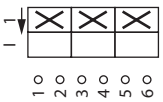


050743

Representative photo

On-Off switch-disconnectors without auxiliary contact

Without emergency switch off 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								
 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

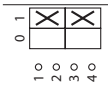
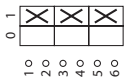
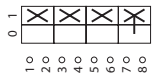


026994

Representative photo

On-Off switch-disconnectors without auxiliary contact

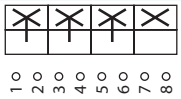
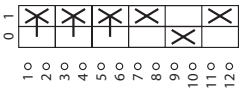
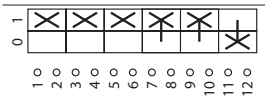
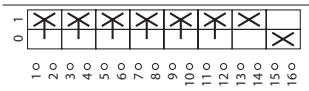
With emergency switch off function

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-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
			80 A	P3-80/IVS-RT	EP-400938	1	✓	X
			100 A	P3-100/IVS-RT	086185	1	✓	X
		3-N	20 A	T0-2-8900/IVS-RT	207404	1	✓	X



084329

Without emergency switch off function

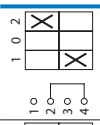
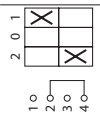
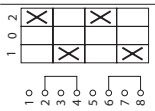
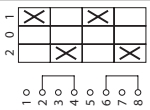
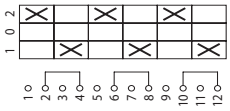
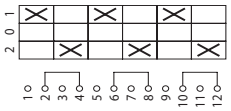
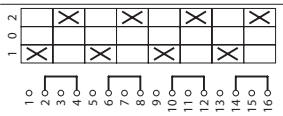
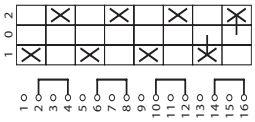
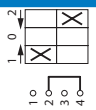
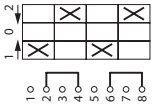
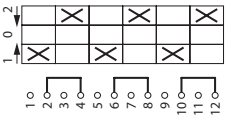
Front plate	Contact sequence	Number of poles N/O	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
 FS 908		3	1	0	20 A	T0-2-15679/IVS	036506	1	✓	X
		3	2	1	20 A	T0-3-15683/IVS	016722	1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

Representative photo

Without emergency switch off 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 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



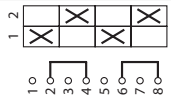
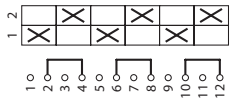
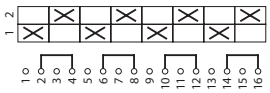
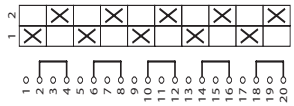
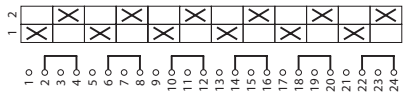
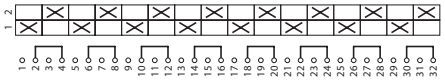


079186

Representative photo

Changeover switch-disconnectors

Without emergency switch off function

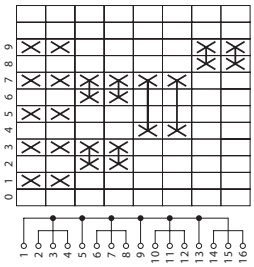
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Two way switch-disconnector without the O (OFF) position								
 FS 943		1	20 A	T0-1-8220/IVS	055459	1	✓	X
		2	20 A	T0-2-8221/IVS	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

Representative photo

Without emergency switch off 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



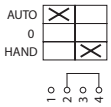
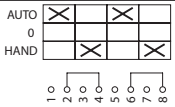
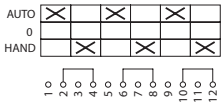
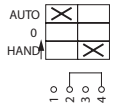
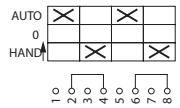
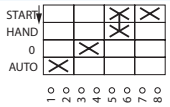
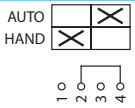
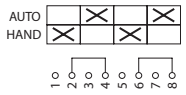
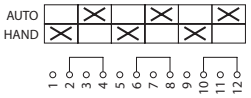
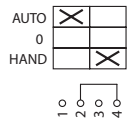


036487

Representative photo

Manual/auto switch-disconnectors

Without emergency switch off 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/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



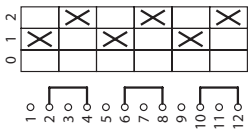
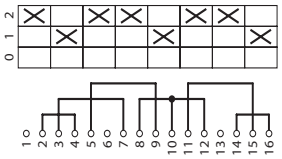
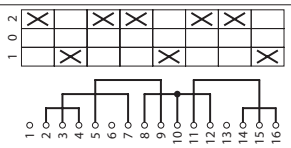
022246



225342

Representative photos

Without emergency switch off 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



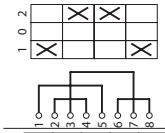
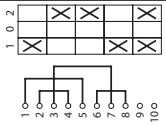
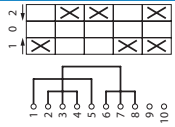
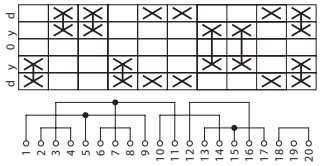
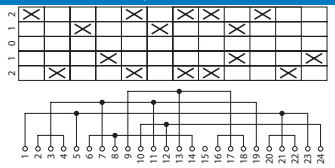


031731

Representative photo

Reversing switch-disconnectors

Without emergency switch off 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

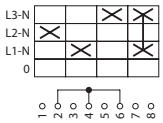
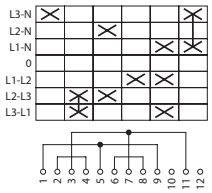
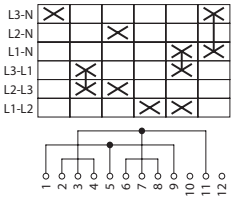
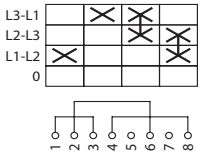
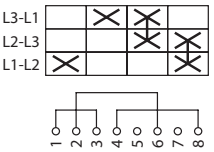




000902

Representative photos

Without emergency switch off 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
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

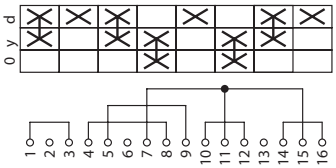




029452

Representative photo

Without emergency switch off 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

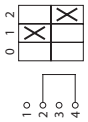
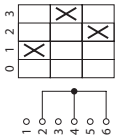
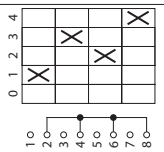
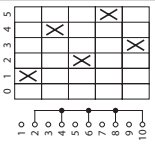
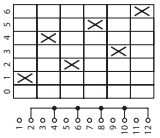
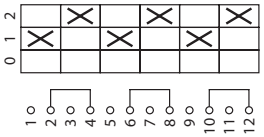
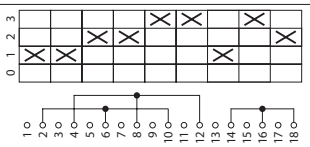
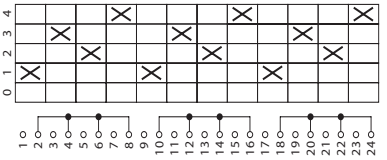




064945

Representative photo

Without emergency switch off 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 O (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

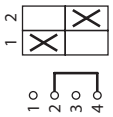
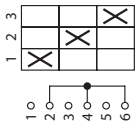
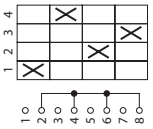
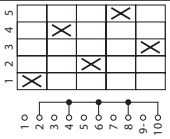
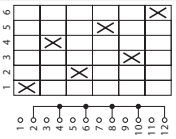
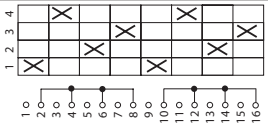
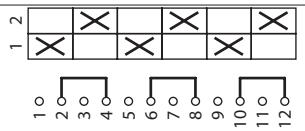
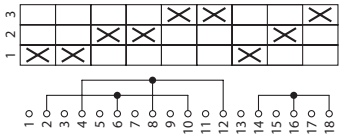
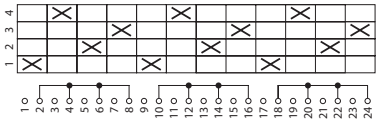


041225

Representative photo

Step switch-disconnectors

Without emergency switch off function

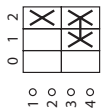
Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Without O (Off) position								
 FS 943		1	20 A	T0-1-8220/IVS	055459	1	✓	X
 FS 404		1	20 A	T0-2-8230/IVS	095804	1	✓	X
 FS 606		1	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

Representative photo

Without emergency switch off 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

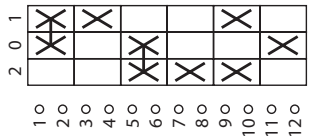
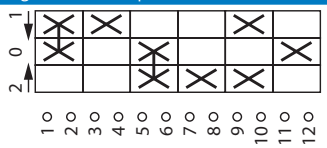




079201

Universal control switch-disconnectors

Without emergency switch off 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

Representative photo

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/P3UZ	EP-400892	5	✓	P1	Service distribution board /IVS
					P3-63 and P3-100	Service distribution board /IVS



EP-400892

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°

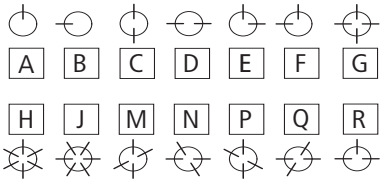


Key operation lock mechanism, including 2 keys.

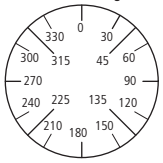
The key can only be removed in certain positions; see diagram.
The MICROMEC lock for 90° can be used for other switching angles as well if the key withdrawability characteristics match the type of switch.

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

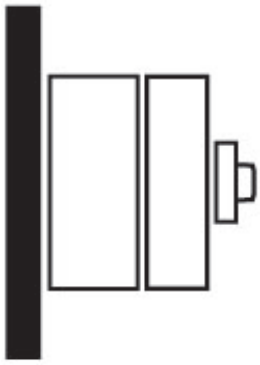


Position marking as in example



Representative photos

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

Technical data

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

Features

- Available with or without emergency switch off 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

Soft and hard knockouts

- Standard Ci-K enclosures 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 the 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 147

Representative photos

Range overview - IEC and UL98

IEC Range overview

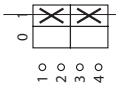
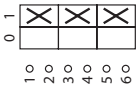
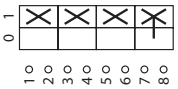
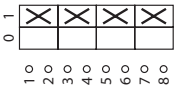
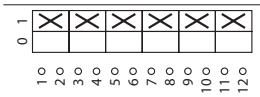
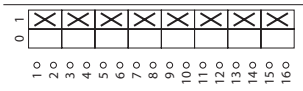
Rated current (Amps)		25 A	32 A		40 A	63 A		95 A	100 A		125 A	160 A		275 A
On-Off switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B		P3	T5				
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓				
With auxiliary contacts	✓	✓	✓	✓	✓		✓			✓				
Main switch-disconnectors	T0	P1	P1	T3	P1	P3	T5B	T5	P3	T5	P4	T6	P4	T8
Without auxiliary contacts	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	
With auxiliary contacts	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓		✓
Changeover switch-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	✓													

UL98 P4 Range overview

Rated current (Amps)	30 A	60 A	100 A
Main switch-disconnectors	P4	P4	P4
Without auxiliary contacts	✓	✓	✓

On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off 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/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
			80 A	P3-80/I5	EP-400979	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
			80 A	P3-80/I5/N	EP-400981	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

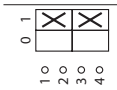
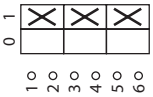
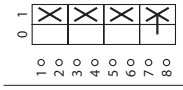
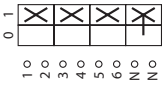
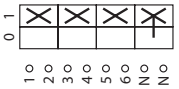
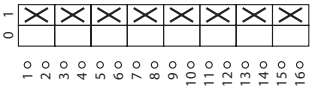
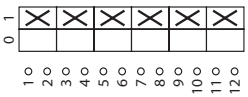


226898

Representative photo

On-Off switch-disconnectors without auxiliary contacts

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

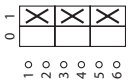
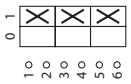
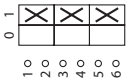
Front plate	Contact sequence	Number of poles N/0	Rated current	Steel enclosures specifications: Size	Handle colour	Part number	Article number	Pack qty	Padlockable handle
 FS 908		1	20 A	SE1	Black	T0-1-8200/SE1	197383	1	X
		2	20 A	SE1	Black	T0-1-102/SE1	197379	1	X
		3	20 A	SE1	Black	T0-2-1/SE1	197376	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
			80 A	SE3	Black	P3-80/SE3	EP-400955	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
			80 A	SE3	Black	P3-80/SE3/N	EP-400956	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

Representative photo

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

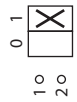
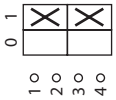
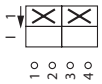
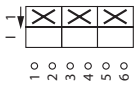
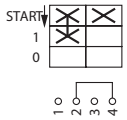
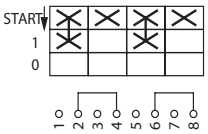
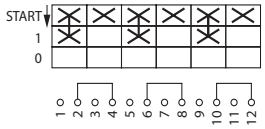
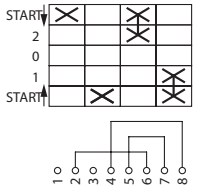

207304


207326

Representative photos

On-Off switch-disconnectors without auxiliary contacts

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

Front plate	Contact sequence	Number of poles N/O / I	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

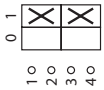
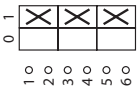
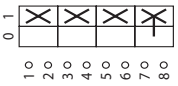
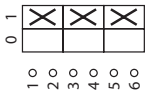
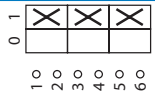


207087

Representative photo

On-Off switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, with emergency switch off 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
			80 A	P3-80/I5-RT	EP-400991	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

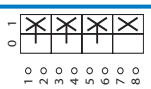
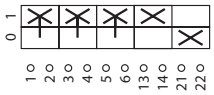
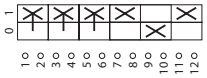
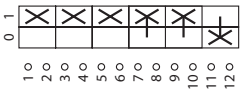
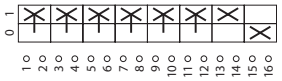

207086


207306

Representative photos

On-Off switch-disconnectors with auxiliary contacts

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

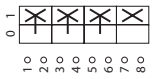
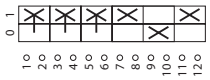
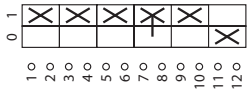
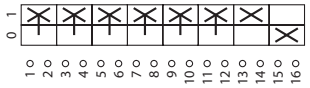


207190

Representative photo

On-Off switch-disconnectors with auxiliary contacts

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

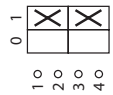
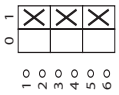
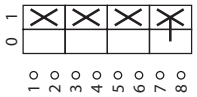
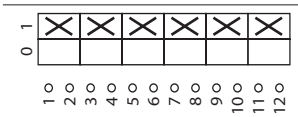
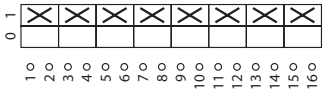


197446

Representative photo

Main switch-disconnectors without auxiliary contacts

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

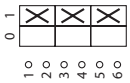
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US) and Canada	Padlockable handle
 FS 908		1	20 A	T0-1-8200/I1/SVB-SW	207146	1	X	✓
			32 A	T3-1-8200/I2/SVB-SW	207201	1	✓	✓
			63 A	T5B-1-8200/I4/SVB-SW	207241	1	✓	✓
		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	✓	✓
			80 A	P3-80/I5/SVB-SW	EP-400987	1	✓	✓
			100 A	P3-100/I5/SVB-SW	207374	1	✓	✓
			125 A	P4-125/I5/SVB-SW	EP-401186	1	✓	✓
			160 A	P4-160/I5/SVB-SW	EP-401254	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	✓	✓
			80 A	P3-80/I5/SVB-SW/N	EP-400989	1	✓	✓
			100 A	P3-100/I5/SVB-SW/N	207376	1	✓	✓
			125 A	P4-125/I5/SVB-SW/N	EP-401188	1	✓	✓
			160 A	P4-160/I5/SVB-SW/N	EP-401256	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

Representative photo

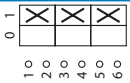
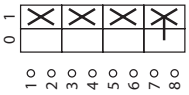
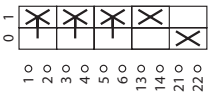
Switch-disconnectors fitted in UL 98 polycarbonate Ci-K Enclosures with transparent cover, without emergency switch off function

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	30 A	P4-30/I43/CCP2-B/UL98	EP-401220	1	✓	✓
			60 A	P4-60/I43/CCP2-B/UL98	EP-401288	1	✓	✓
			100 A	P4-100/I43/CCP2-B/UL98	EP-401131	1	✓	✓



EP-401220

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures with pre-assembled EMC screen, without emergency switch off 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	✓

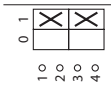
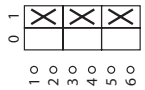
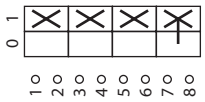
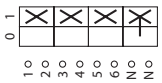
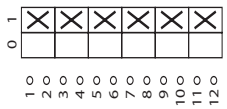
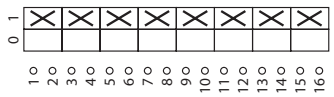
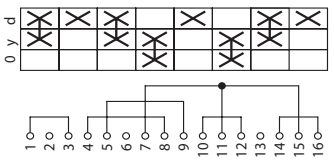


182428

Representative photo

Main switch-disconnectors without auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off 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
			80 A	SE3	Black	P3-80/SE3/SVB-SW	EP-400960	1	X
			100 A	SE3	Black	P3-100/SE3/SVB-SW	197373	1	X
			125 A	SE4	Black	P4-125/SE4/SVB-SW	EP-401297	1	✓
			160 A	SE4	Black	P4-160/SE4/SVB-SW	EP-401298	1	✓
		4	20 A	SE1	Black	T0-2-8900/SE1/SVB-SW	197422	1	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
			125 A	SE4	Black	P4-125/SE4/SVB-SW/N	EP-401299	1	✓
			160 A	SE4	Black	P4-160/SE4/SVB-SW/N	EP-401300	1	✓
		4	63 A	SE3	Black	P3-63/SE3/SVB-SW/N	197367	1	X
			80 A	SE3	Black	P3-80/SE3/SVB-SW/N	EP-400962	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



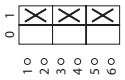
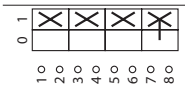
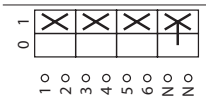
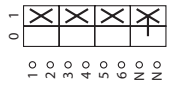
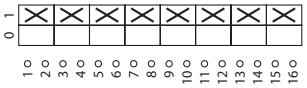
197422

Representative photo

Note: All the SVB-SW handles are padlockable

Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures, with emergency switch off 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	✓	✓
			80 A	P3-80/I5/SVB	EP-400982	1	✓	✓
			100 A	P3-100/I5/SVB	207373	1	✓	✓
			125 A	P4-125/I5/SVB	EP-401182	1	✓	✓
			160 A	P4-160/I5/SVB	EP-401250	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	✓	✓
			80 A	P3-80/I5/SVB/N	EP-400985	1	✓	✓
			100 A	P3-100/I5/SVB/N	207379	1	✓	✓
			125 A	P4-125/I5/SVB/N	EP-401184	1	✓	
			160 A	P4-160/I5/SVB/N	EP-401252	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

Representative photo

Main switch-disconnectors without auxiliary contacts

Switch-disconnectors fitted in UL 98 polycarbonate Ci-K Enclosures with transparent cover, with emergency switch off 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	30 A	P4-30/I43/CCP2/UL98	EP-401218	1	✓	✓
			60 A	P4-60/I43/CCP2/UL98	EP-401287	1	✓	✓
			100 A	P4-100/I43/CCP2/UL98	EP-401129	1	✓	✓



EP-401218

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

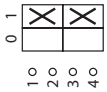
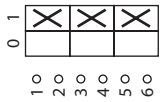
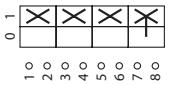
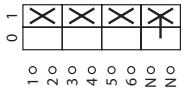
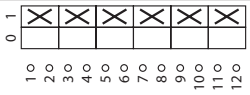
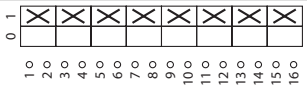
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack quantity	Suitable for export to North America (US) and Canada	Padlockable handle
FS 908		3	20 A	T0-2-1/I2H/MBS/SVB	182425	1	X	✓
		3 + N	20 A	T0-2-8900/I2H/MBS/SVB	182427	1	X	✓
		3	25 A	P1-25/I2H/MBS/SVB	182413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

Representative photo

Switch-disconnectors fitted in steel enclosure, with emergency switch off 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 Canada
 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
			80 A	SE3	Red	P3-80/SE3/SVB	EP-400957	1	X
			100 A	SE3	Red	P3-100/SE3/SVB	197370	1	X
			125 A	SE4	Red	P4-125/SE4/SVB	EP-401293	1	X
			160 A	SE4	Red	P4-160/SE4/SVB	EP-401294	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
			125 A	SE4	Red	P4-125/SE4/SVB/N	EP-401295	1	X
			160 A	SE4	Red	P4-160/SE4/SVB/N	EP-401296	1	X
		4	63 A	SE3	Red	P3-63/SE3/SVB/N	197364	1	X
			80 A	SE3	Red	P3-80/SE3/SVB/N	EP-400959	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

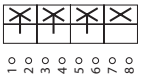
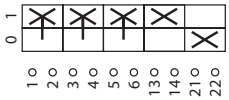
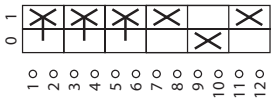
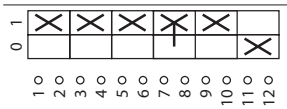
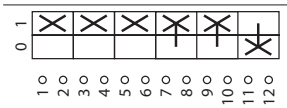
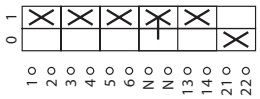
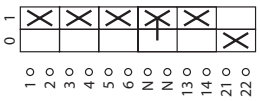
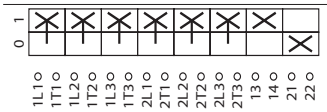
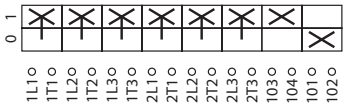


197460

Representative photo

Main switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in Ci-K Polycarbonate enclosure, without emergency switch off 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
 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	✓
					80 A	P3-80/I5/SVB-SW/HI11	EP-400988	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	✓
					80 A	P3-80/I5/SVB-SW/N/HI11	EP-400990	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

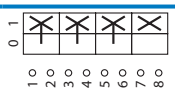
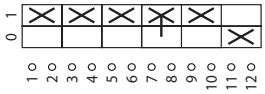
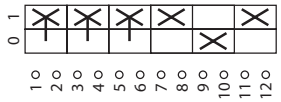
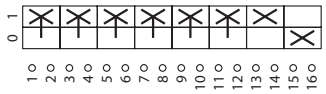
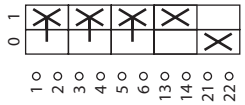
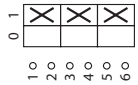


207211

Representative photo

Main switch-disconnectors with auxiliary contacts

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

Front plate	Contact sequence	Number of poles	Auxiliary contacts N/O	Auxiliary contacts N/C	Rated current	Part number	Article number	Padlockable 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	✓

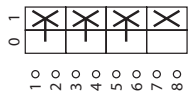
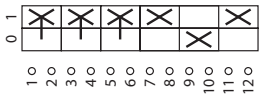
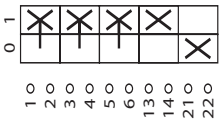
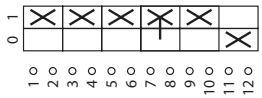
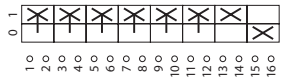


182432

Representative photo

Main switch-disconnectors with auxiliary contacts

Switch-disconnector fitted in steel enclosure, without emergency switch off 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
					80 A	SE3	Black	P3-80/SE3/SVB-SW/HI11	EP-400961	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

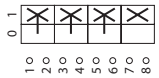
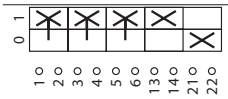
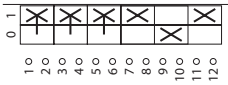
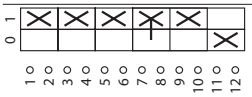
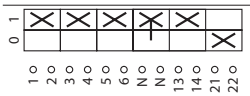
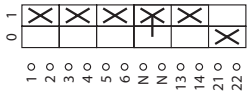
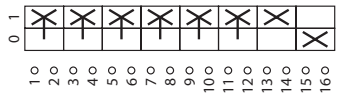
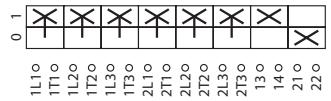
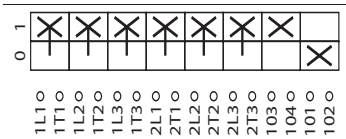
Note: All the SVB-SW handles are padlockable



197448

Representative photo

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures, with emergency switch off 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	✓
					80 A	P3-80/I5/SVB/HI11	EP-400984	✓
					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	✓
					80 A	P3-80/I5/SVB/N/HI11	EP-400986	✓
					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



207246

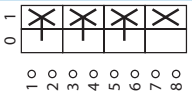
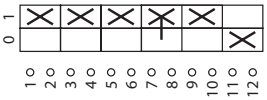
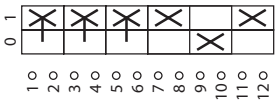
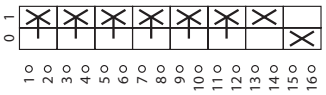
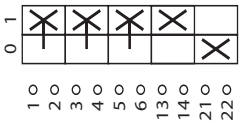
Note: All the SVB handles are padlockable

* Enclosure without flanges with K95/1N*BR
** With KS4-CI and K150/1-BR; Ingress protection IP64

Representative photo

Main switch-disconnectors with auxiliary contacts

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

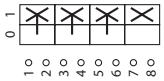
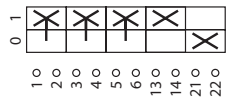
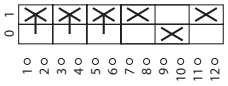
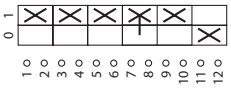
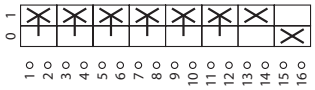


182419

Representative photo

Main switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in steel enclosure, with emergency switch off 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/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	✓
					80 A	P3-80/SE1/SVB/HI11	EP-400958	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	✓

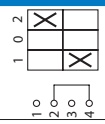
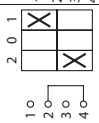
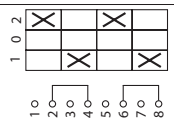
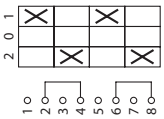
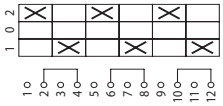
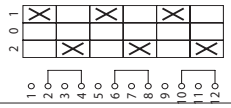
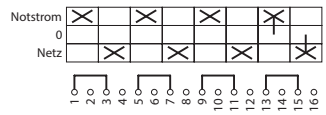
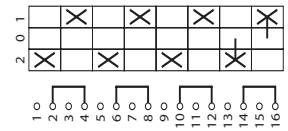
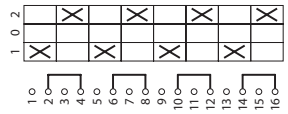


197355

Representative photo

Changeover switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures, without emergency switch off function

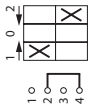
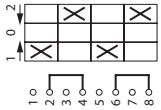
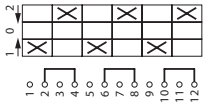
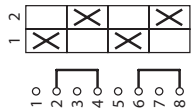
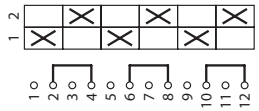
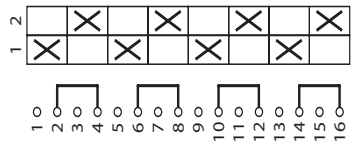
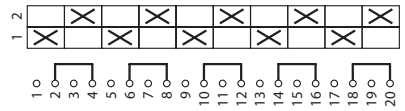
Front plate	Contact sequence	Number of poles N/O	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
FS 684		1	20 A	T0-1-8210/I1	207076	1	X	X
			32 A	T3-1-8210/I2	207169	1	✓	X
			63A	T5B-1-8210/I4	207432	1	✓	X
FS 429		1	20 A	T0-1-15421/I1	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

Representative photo

Switch-disconnectors fitted in polycarbonate Ci-K Enclosures, without emergency switch off 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 O (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

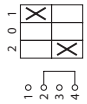
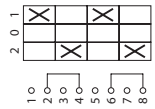
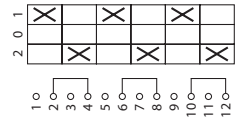
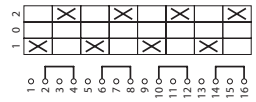
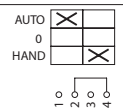
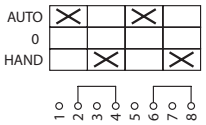
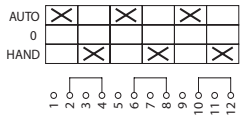
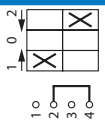
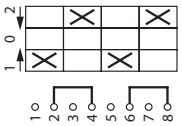
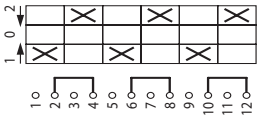


207137

Representative photo

Changeover switch-disconnectors

Switch-disconnectors fitted in steel enclosure, without emergency switch off function

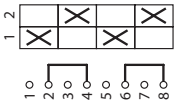
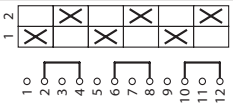
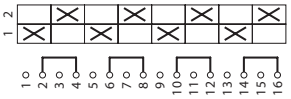
Front plate	Contact sequence	Number of poles N/O	Rated current	Steel enclosures specifications: Size	Steel enclosures specifications: Handle colour	Part number	Article number	Pack qty	Suitable for export to North America and Canada	Padlockable handle
With 0 (OFF) position										
 FS 684		1	20 A	SE1	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 O (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

Representative photo

Switch-disconnectors fitted in steel enclosure, without emergency switch off function

Front plate	Contact sequence	Number of poles N/0	Rated current	Steel enclosures specifications: Size	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

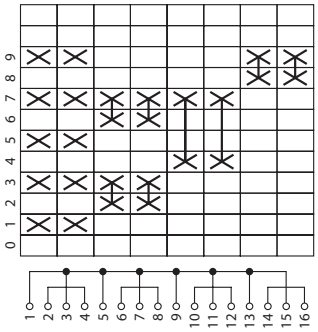


197396

Representative photo

Coding switch-disconnectors

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

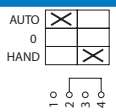
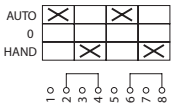
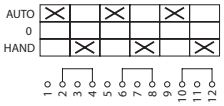
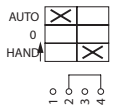
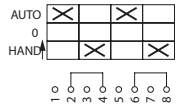
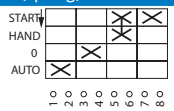
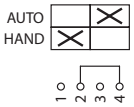
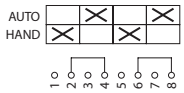
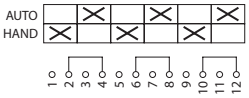




207134

Representative photo

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

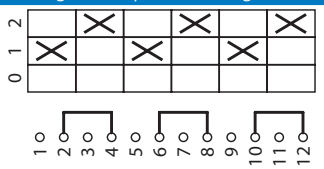
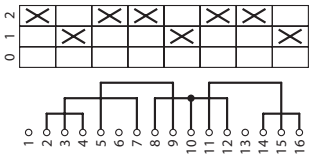
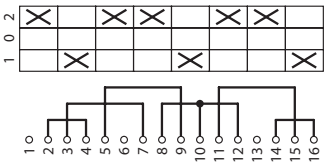


207071

Representative photo

Multi speed switch-disconnectors

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

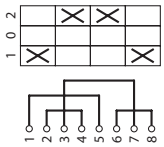
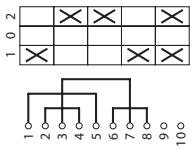
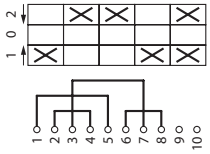
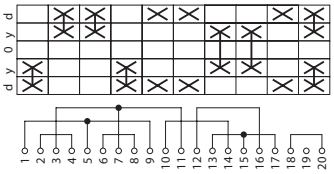
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
2 speed, non reversing, for 2 separate windings								
 FS 644		6	20 A	T0-3-8451/I1	207133	1	X	X
			32 A	T3-3-8451/I2	207189	1	✓	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

Representative photo

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off 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/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 star-delta switch-disconnector - Two-way operating direction								
 FS 638		3	32 A	T3-5-15876/I2	207537	1	✓	X

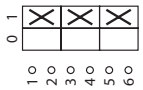
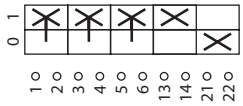
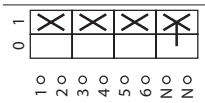
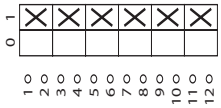
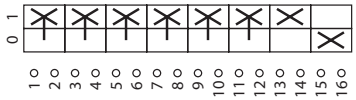
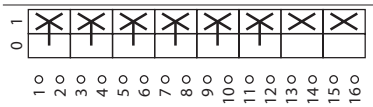


207225

Representative photo

Safety switch-disconnectors with auxiliary contacts

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off 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
					80 A	P3-80/I5-SI-SW	EP-400998	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
					80 A	P3-80/I5-SI/HI11-SW	EP-400995	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
					80 A	P3-80/I5-SI/N-SW	EP-400997	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

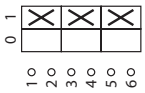
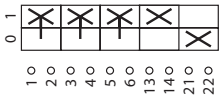
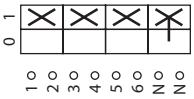
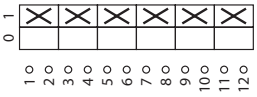
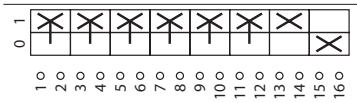
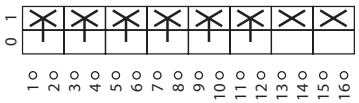
Note: All the SI handles are padlockable

See further details about the safety switch-disconnectors overleaf



Representative photo

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, with emergency switch off 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
					80 A	P3-80/I5-SI	EP-400993	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
					80 A	P3-80/I5-SI/HI11	EP-400994	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
					80 A	P3-80/I5-SI/N	EP-400996	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



Representative photos

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 if 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:

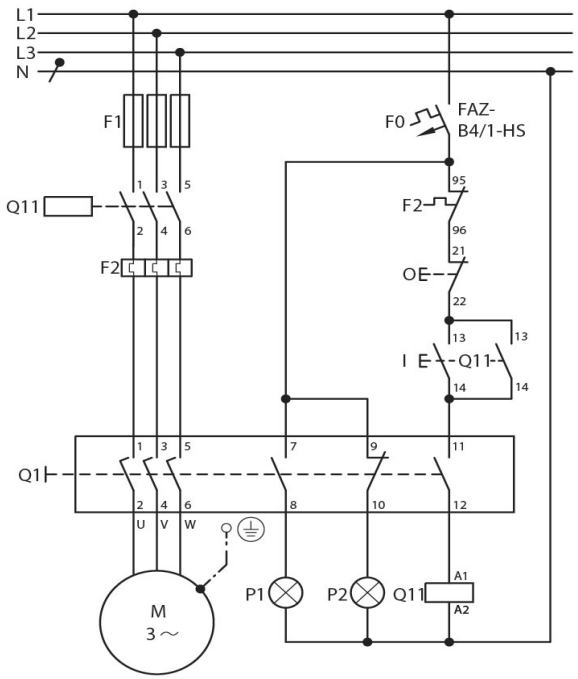
1) According to motor switching capacity, when the switch is fitted in such a way that the operator may use it for operational ON and OFF switching

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.

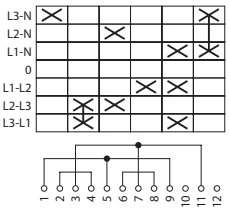
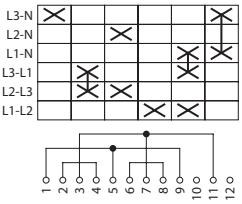
3) If the switch has a load shedding Contact (LA), you can select the appropriate switch according to the uninterrupted current. The load switching contact is an auxiliary contact, which closed in the ON position and opens early when switching off, so that a contactor located in the circuit takes over 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



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

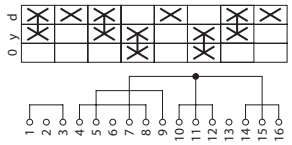
Front plate	Contact sequence	Number of poles	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
Voltmeter switch-disconnector								
 FS 1410759		3 x phase-phase 3 x phase-N with 0 position	20 A	T0-3-8007/I1	207120	1	✓	X
 FS 164721		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

Star delta switch-disconnectors

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off 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/I1	207140	1	X	X
			32 A	T3-4-8410/I2	207195	1	✓	X
			63 A	T5B-4-8410/I4	207234	1	✓	X

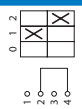
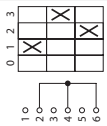
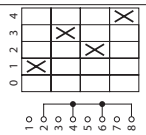
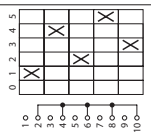
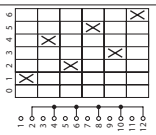
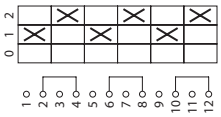
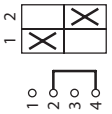
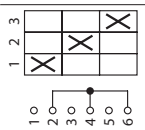
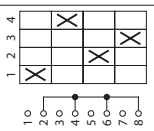
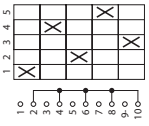
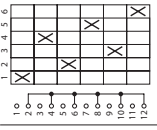
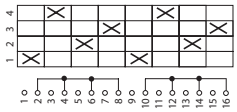
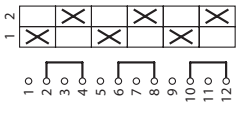


207140

Representative photo

Step switch-disconnectors

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

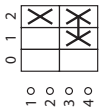
Front plate	Contact sequence	Number of poles N/0	Rated current	Part number	Article number	Pack qty	Suitable for export to North America (US and Canada)	Padlockable handle
With O (Off) position								
 FS 418		1	20 A	T0-1-8240/I1	207079	1	✓	X
 FS 420		1	20 A	T0-2-8241/I1	207107	1	✓	X
 FS 422		1	20 A	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 O (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

Representative photo

Switch-disconnectors fitted in polycarbonate Ci-K Enclosure, without emergency switch off 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 heater switches								
 FS 614		20 A	1	T0-1-91/I1	207080	1	✓	X

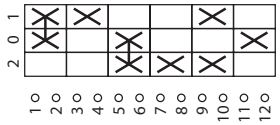
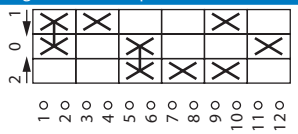




207080

Universal control switch-disconnectors

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

Representative photo

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

Representative photos

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/P3UZ (1)	EP-400892	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



EP-400892

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 inscription 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

Representative photos

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
Red rotary handle with yellow locking ring As emergency switching off/ emergency stop device	SVB-P4	EP-401720	1	✓	P4	Flush mounting /E
					P4	Rear mounting /Z



* 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
Black rotary handle and black locking collar Without emergency switching off/emergency stop device function	SVB-SW-P4	EP-401721	1	✓	P4	Flush mounting /E
					P4	Rear mounting /Z



* UL/CSA certification not required

Representative photos

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	Center 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

Representative photos /e

Black thumb grip for UL98 P4

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Black thumb grip	P4-NFPA/KIT-SW	EP-401147	1	✓	P4 UL98	Flush mounting /E
					P4 UL98	Rear mounting /Z
					P4 UL98	Surface mounting I43



Red thumb grip UL98 P4

- Only for emergency switching off/emergency stop switches
- Designed as per UL98 Standard

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Red thumb grip	P4-NFPA/KIT	EP-401153	1	✓	P4 UL98	Flush mounting /E
					P4 UL98	Rear mounting /Z
					P4 UL98	Surface mounting I43



Metal shaft for CCP2 handle

Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for
400 mm metal shaft	P4-M400/CCP2	EP-401148	10	✓	P4-NFPA/KIT-SW
					P4-NFPA/KIT



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	✓

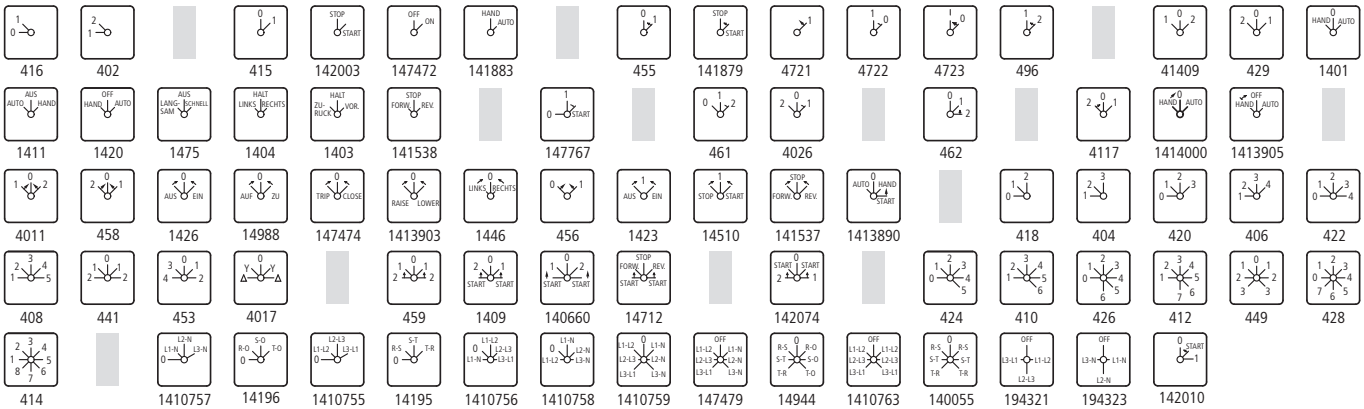
* UL/CSA certification not required

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.

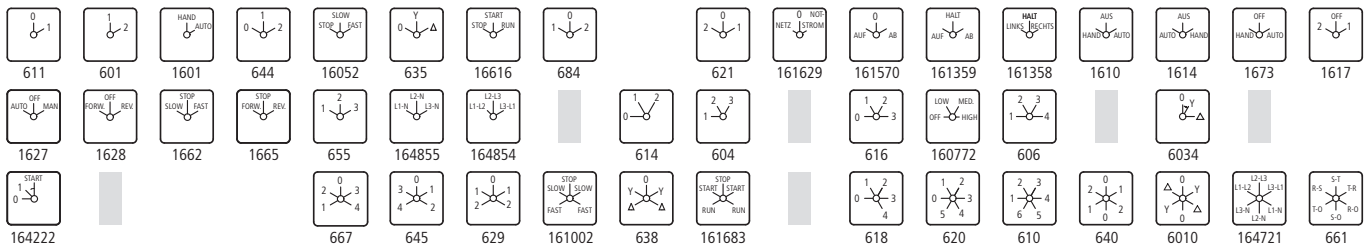
Switching angle 30°



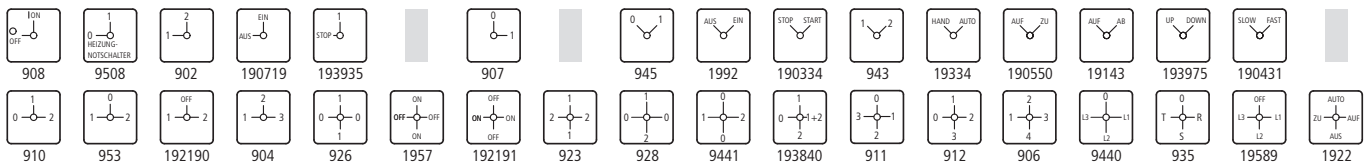
Switching angle 45°



Switching angle 60°



Switching angle 90°



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

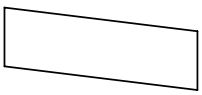
Label mount, black - clip-on

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

Representative photos

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(*)-TO	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 Surface mounting /I1: T0 Surface mounting /I2: T3, P1 Rear mounting /Z: 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	
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

Representative photos

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
					Surface 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
					Surface 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

Representative photos

P1, P3 and P4 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 Center 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-P3E	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
The neutral pole and auxiliary contact cannot be installed on the same side of the switch and must be fitted at opposite ends.	N-P4E	EP-401134	5	✓	P4	Flush mounting /E
	N-P4Z	EP-401133	5	✓	P4	Rear mounting /Z


000652

P5 Neutral terminal

- Flush 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-P5-250/315E	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

- Flush 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-P5-250/315E	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



Representative photos

P1, P3 and P4 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-P1/P3UE	EP-400893	5	✓	P1	Flush mounting /E or /EA
					P1	Center mounting /EZ
					P3	Flush mounting /E or /EA
	HI11-P4/E	EP-401140	5	✓	P4	Flush mounting /E - Screw terminal
	HI11P-P4/E	EP-401142	5	✓	P4	Flush mounting /E - Push-in terminal
For P1.../I2 optionally, NP1Z or HI11-P1/P3Z, can only be fitted on the left	HI11-P1/P3UZ	EP-400892	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
The neutral pole and auxiliary contact cannot be installed on the same side of the switch and must be fitted at opposite ends.	HI11-P4/Z	EP-401139	5	✓	P4	Rear mounting Z - Screw terminal
	HI11P-P4/Z	EP-401141	5	✓	P4	Rear mounting Z - Push-in terminal

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



EP-400893

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-P5-250/315E	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

Representative photos

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 Center 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 for T, P1, P3 and P5

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 ∅ 20 mm + 2 x ∅ 15 mm Cross section: 5 x 6 mm², 5 x 2.5 mm²	H3-T0	093828	1	✓	TO, 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
Terminals cover	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



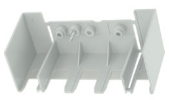
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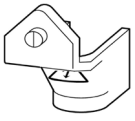
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021999



293977 / 293978



200184

Representative photos

P4 Terminals and terminals accessories

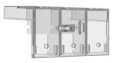
Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)	Suitable for	Mounting
Protective earth terminal	P4-PE/E	EP-401138	5	✓	P4	Flush mounting
	P4-PE/Z	EP-401137	5	✓	P4	Rear mounting
Solid neutral terminal	P4-PEN/E	EP-401136	5	✓	P4	Flush mounting
	P4-PEN/Z	EP-401135	5	✓	P4	Rear mounting
Terminal cover	P4-TC1P	EP-401143	6	✓	P4 1-pole	Rear mounting
	P4-TC3P	EP-401144	2	✓	P4 3-pole	Rear mounting



EP-401138



EP-401136



EP-401144

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



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

Representative photos

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	TO	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

Set of external brackets

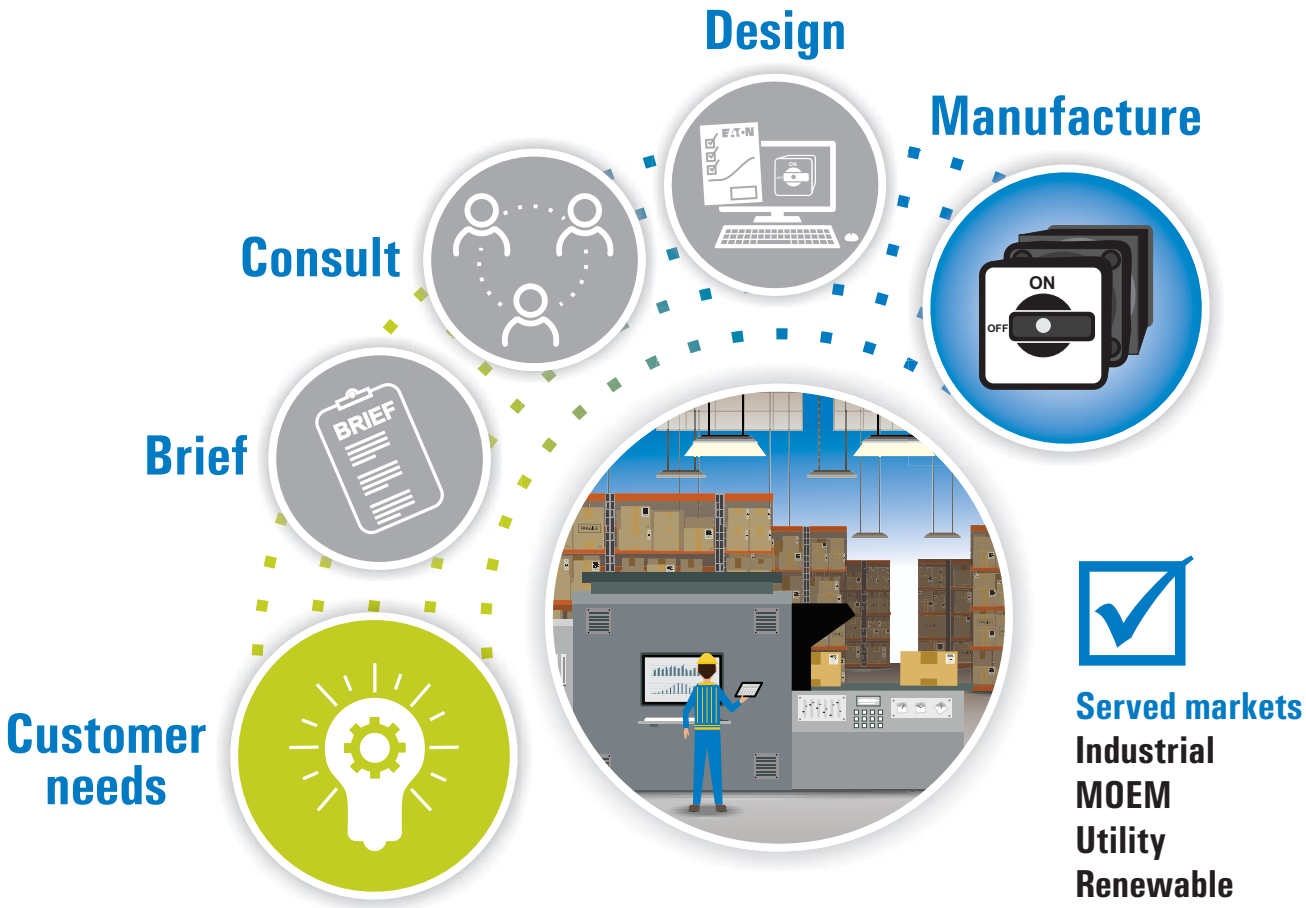
Description	Part number	Article number	Std. pack	Suitable for export to North America (US and Canada)*	Suitable for	Mounting
Set of external fixing brackets, for fixing CI-K4 and CI-K5 directly on walls. One set contains 4 brackets	AB-CI-K4/5	206914	1	✓	T5B	Surface mounting I4
					P3-63	Surface mounting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

* UL/CSA certification not required



Customised switch-disconnectors design service

Eaton supports custom solutions to suit your application needs thanks to over 50 years of expert knowledge in Switch-disconnectors design.



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- Customised mounting connections.
- Acquire UL/IEC/CCC/CSA certificates.
- Customised testing such as temperature rise or vibration.
- Special plating for connection terminal.
- Modification of enclosures.
- Additional earthing arrangements.
- Custom printed face plates.
- Unique control switching configurations.

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buletechnical@eaton.com

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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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	✓
		Center 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	✓
		Center 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	✓
		Center 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	✓
		Center 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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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	✓
		Center 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	✓
		Center 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	✓
		Center mounting		Red	T3-7-SOND*/EZ	907878	✓
		Rear mounting		Red	T3-7-SOND*/Z	907919	✓
	8	Flush mounting		Red	T3-8-SOND*/E	907857	✓
		Center mounting		Red	T3-8-SOND*/EZ	907879	✓
		Rear mounting		Red	T3-8-SOND*/Z	907920	✓
	9	Flush mounting		Red	T3-9-SOND*/E	907858	✓
		Center mounting		Red	T3-9-SOND*/EZ	907880	✓
		Rear mounting		Red	T3-9-SOND*/Z	907921	✓
	10	Flush mounting		Red	T3-10-SOND*/E	907859	✓
		Center mounting		Red	T3-10-SOND*/EZ	907881	✓
		Rear mounting		Red	T3-10-SOND*/Z	907922	✓
	11	Flush mounting		Red	T3-11-SOND*/E	907860	✓
		Center 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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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, specify the contact sequence number together (e.g. 47110GB).

See standard information

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	Center 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	Center 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	Center mounting		TM-3-SOND-ERSTBESTELLUNG/EZ	208266	✓
	4	Flush mounting		TM-4-SOND-ERSTBESTELLUNG/E	208267	✓
	4	Center mounting		TM-4-SOND-ERSTBESTELLUNG/EZ	208268	✓
	5	Flush mounting		TM-5-SOND-ERSTBESTELLUNG/E	208269	✓
	5	Center mounting		TM-5-SOND-ERSTBESTELLUNG/EZ	208270	✓
	6	Flush mounting		TM-6-SOND-ERSTBESTELLUNG/E	208271	✓
	6	Center mounting		TM-6-SOND-ERSTBESTELLUNG/EZ	208272	✓
	7	Flush mounting		TM-7-SOND-ERSTBESTELLUNG/E	208273	✓
	7	Center mounting		TM-7-SOND-ERSTBESTELLUNG/EZ	208274	✓
	8	Flush mounting		TM-8-SOND-ERSTBESTELLUNG/E	208275	✓
	8	Center 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	Center mounting		TM-1-SOND*/E	907755	✓
	2	Center mounting		TM-2-SOND*/EZ	907756	✓
	3	Center mounting		TM-3-SOND*/EZ	907757	✓
	4	Center mounting		TM-4-SOND*/EZ	907758	✓
	5	Center mounting		TM-5-SOND*/EZ	907759	✓
	6	Center mounting		TM-6-SOND*/EZ	907760	✓
	7	Center mounting		TM-7-SOND*/EZ	907761	✓
	8	Center mounting		TM-8-SOND*/EZ	907762	✓
	1	Service distribution board		TM-1-SOND*/IVS	225346	✓
	2	Service distribution board		TM-2-SOND*/IVS	225348	✓

See standard information

Ordering of non standard contact sequences

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

Switch size	Number of contacts units (2 contacts per contact unit)	
	Max units	Contacts max.
TO	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
- Center 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 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 ☐ 12
- ☐ 2 ☐ 13
- ☐ 3 ☐ 14
- ☐ 4 ☐ 15
- ☐ 5 ☐ 16
- ☐ 6 ☐ 17
- ☐ 7 ☐ 18
- ☐ 8 ☐ 19
- ☐ 9 ☐ 20
- ☐ 10 ☐ 21
- ☐ 11 ☐ 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

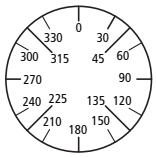
Degrees	TM-E	TM-EZ	TM-IVS	T0(3)	T5(B)
0.18	5	5	6	13	13
30, 210, 330	8	7	4	8	8
45, 135, 225, 315	6	5	4	6	7
60, 120, 240, 300	5	5	3	5	7
90, 270	5	4	1	4	7
150	4	4	4	8	8

Front plate no.

FS_____

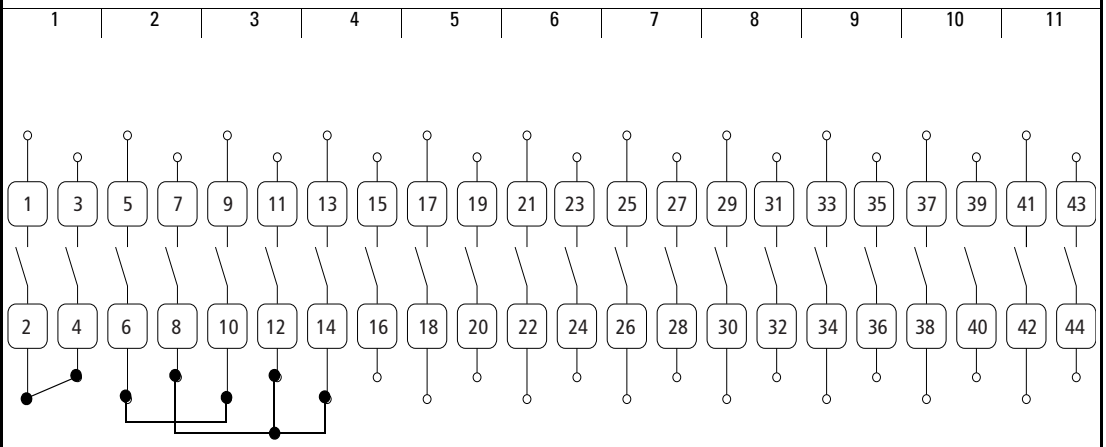
○ Complete rotation

○ Automatic spring-return



Inscription

Contact units



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					X				X															
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_____

EATON

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		
☐ 2	☐ 13		
☐ 3	☐ 14		
☐ 4	☐ 15		
☐ 5	☐ 16		
☐ 6	☐ 17		
☐ 7	☐ 18		
☐ 8	☐ 19		
☐ 9	☐ 20		
☐ 10	☐ 21		
☐ 11	☐ 22		

Mounting form:

- ☐ E
- ☐ EA/SVB ☐ EA/SVB-SW
- ☐ EZ
- ☐ I…
- ☐ I…/SVB ☐ I…/SVB-SW
- ☐ IVS
- ☐ V/SVB ☐ V/SVB-SW
- ☐ XZ
- ☐ Z
- ☐ + _____
- ☐ + _____

Max. characters per switching angle on FS plate

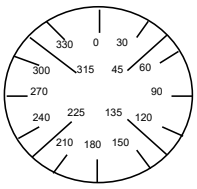
Degrees	TM-E	TM-EZ	TM-IVS	T0(3)	T5(B)
0	5	5	6	13	13
30, 210, 330	8	7	4	8	8
45, 135, 225, 315	6	5	4	6	7
60, 120, 240, 300	5	5	3	5	7
90, 270	5	4	1	4	7
150	4	4	4	8	8
180	5	5	6	7	13

Front plate no.

FS _____

☐ Complete rotation

☐ Spring-return



Contact units

1	2	3	4	5	6	7	8	9	10	11
1 3 / 2 4	5 7 / 6 8	9 11 / 10 12	13 15 / 14 16	17 19 / 18 20	21 23 / 22 24	25 27 / 26 28	29 31 / 30 32	33 35 / 34 36	37 39 / 38 40	41 43 / 42 44

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 _____

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

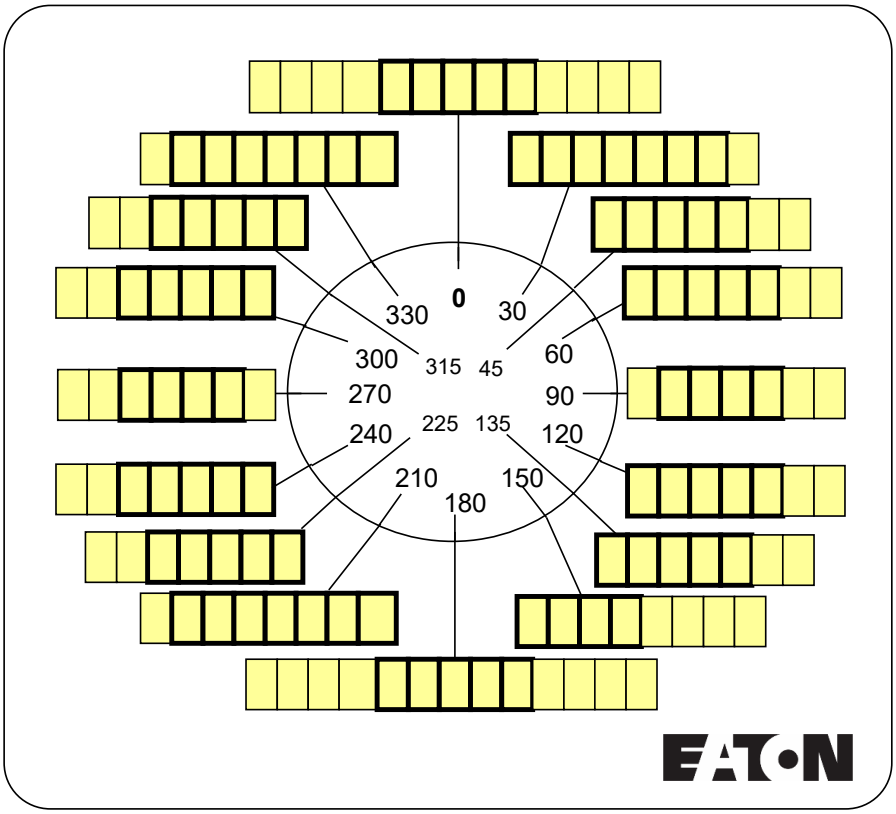
Inscription:

Front plate with black lettering

Insert Text

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

The text is always centered in the text box



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

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**

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**

Eaton's Switch-disconnectors data is available in EPLAN

EPLAN is one of the world's leading design software solutions for machine, plant and panel builders.

You will find in EPLAN all the Eaton's Switch-disconnectors data you need to safely and efficiently build your panel:

- 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



P Switch-disconnectors

					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	UL 98
P1 - ... /E	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /EZ	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /Z	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - .../M4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /IVS	✓	✓	✓	✓	IP30	-	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /I1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P1 - ... /I1H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P1 - ... /I2	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P1 - ... /I2H	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P1 - .../... -SI(-SW)	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P1 - ... /SE1	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P3 - ... /E	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /Z	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /M4	✓	✓	✓	✓	IP65	1	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /IVS	✓	✓	✓	✓	IP30	1	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /I3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P3 - ... /I4	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - ... /I5	✓	✓	✓	✓	IP65	1, 12	UL Listed, CSA Certified	E36332	✓	X	X	X	X
P3 - .../... -SI	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P3 - ... /SE3	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	X
P3-30/...-MCS	X	X	X	X	X	X	X	X	X	X	✓	X	X
P4 - ... /E	✓	✓	✓	✓	IP65	-	UL Listed, cUL Listed	E549846	X	X	X	X	✓
P4 - ... /SVB(-SW)	✓	✓	✓	✓	IP65	-	UL Listed, cUL Listed	E549846	X	X	X	X	✓
P4 - ... /Z	✓	✓	✓	✓	-	-	UL Listed, cUL Listed	E549846	X	X	X	X	✓
P4 - ... /M4	✓	✓	✓	✓	IP65	-	UL Listed, cUL Listed	E549846	X	X	X	X	✓
P4 - ... /I43	✓	✓	✓	✓	-	1,12,13,4X	UL Listed, cUL Listed	E549846	X	X	X	X	✓
P4 - ... /I5	✓	✓	✓	✓	IP65	-	X	X	X	X	X	X	✓
P4 - ... /SE4	✓	✓	✓	✓	-	-	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 function comply to IEC 60204-1

				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
P4 - ... /E	✓	✓	UL/cUL	X	X	X	X	X	X	X	✓	✓
P4 - ... /SVB(-SW)	✓	✓	UL/cUL	X	X	X	X	X	X	X	✓	✓
P4 - ... /Z	✓	✓	UL/cUL	X	X	X	X	X	X	X	✓	✓
P4 - ... /M4	✓	✓	UL/cUL	X	X	X	X	X	X	X	✓	✓
P4 - ... /I43	✓	✓	UL/cUL	X	X	X	X	X	X	X	✓	✓
P4 - ... /I5	X	X	X	X	X	X	X	X	X	X	X	X
P4 - ... /SE4	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 function comply to IEC 60204-1

					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 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

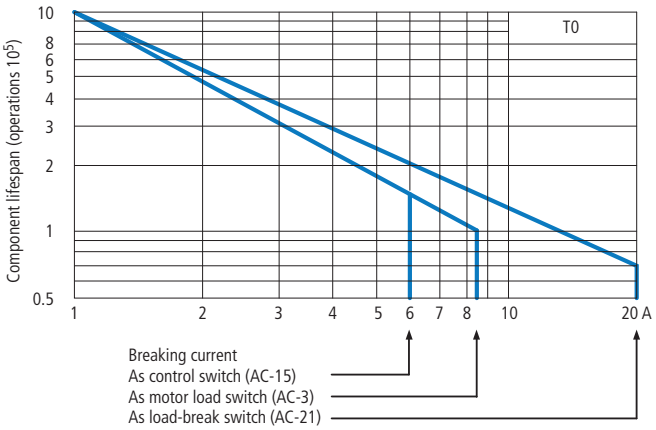
All switch-disconnectors With emergency switch off function comply to IEC 60204-1

Characteristic curves

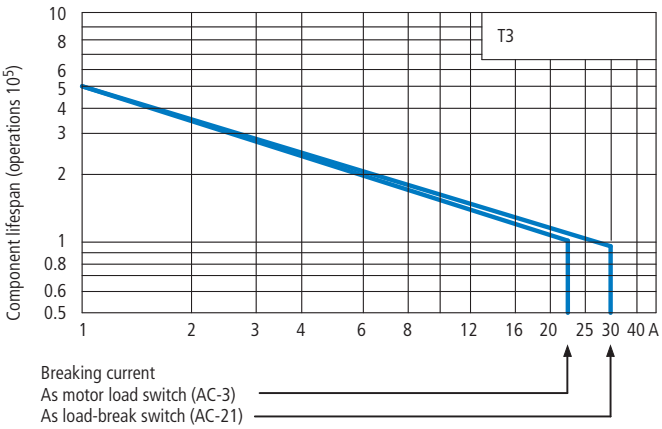
Component lifespan based on breaking current and utilisation category AC-3 and AC-21 at 400 V a.c., AC-15 at 230 V.

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.

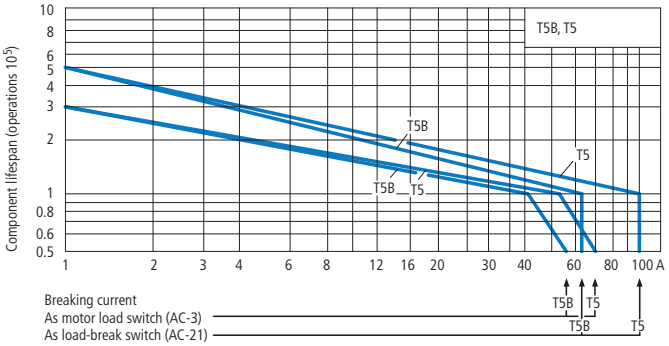
T0 - Characteristic curve



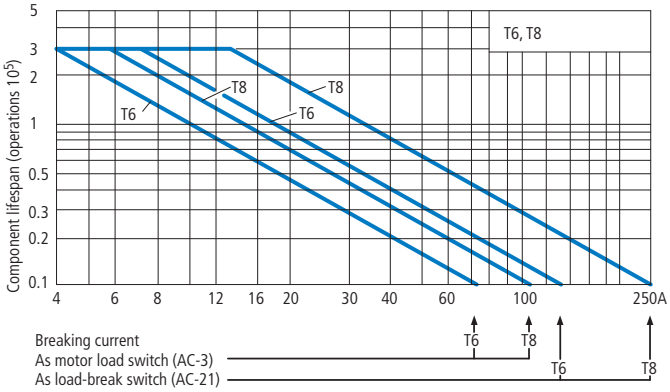
T3 - Characteristic curve



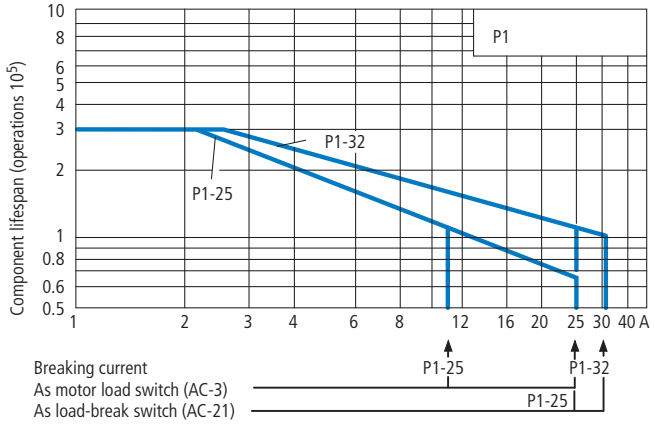
T5, T5B - Characteristic curve



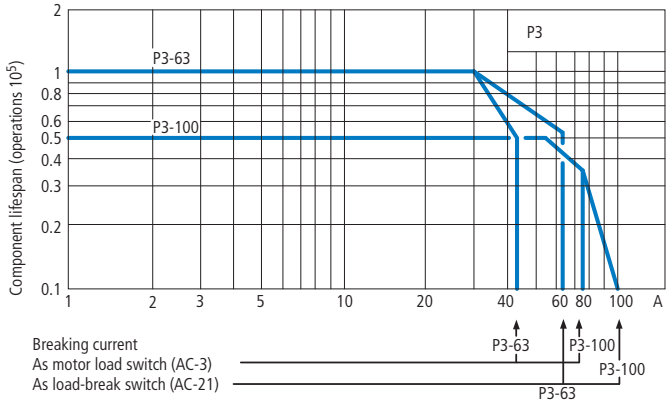
T6, T8 - Characteristic curve



P1 - Characteristic curve



P3 - Characteristic curve



Technical data

P1 and P3 Switch-disconnectors

				P1-25	P1-32	P1-40	P3-63	P3-80	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	0.1
Maximum operating frequency		Operations/h		50	50	50	50	50	50
Climatic proofing				Damp heat: constant to IEC 60068-2-78 / cyclical to IEC 60068-2-30					
Ambient temperature (for derating details please contact buletechnical@eaton.com)	Open		°C	-25 - 50	-25 - 50	-25 - 50	-25 - 50	-25 - 50	-25 - 50
	Enclosed		°C	-25 - 40	-25 - 40	-25 - 40	-25 - 40	-25 - 40	-25 - 40
Mounting position				Any	Any	Any	Any	Any	Any
Mechanical shock resistance (IEC/EN 600068-2-27)	Half-sinusoidal shock 20 ms		g	15	15	15	15	15	15
Contacts									
Rated operational voltage		U_e	V A C	690	690	690	690	690	690
Rated impulse withstand voltage		U_{imp}	V A C	6000	6000	6000	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3	III/3	III/3
Rated uninterrupted current		I_u	A	25	32	40	63	80	100
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	1.3	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	1.6
	AB 25% DF		x I_e	2	2	2	2	2	2
Short-circuit rating	Fuse		A gG/gL	25	50	50	80	100	100
Rated conditional short-circuit current	Load side	I_q	kA	50	80	80	4	4	4
	Supply side	I_q	kA	-	-	-	100	80	80
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	640	640	640	1260	1260	1260
Isolating characteristics to IEC/EN 60947			V AC	≤ 690	≤ 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	440
Switching angle			°	90	90	90	90	90	90
Contacts			Number	Max. 3 (+N)	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	6	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)	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)	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	M5
Tightening torque			Nm	1.6	1.6	1.6	3	3	3
Switching capacity									
AC Voltage									
Rated making capacity cos φ = 0.35 *P1-40 φ = 0.45			A	240	320	360*	800	875	950
Rated breaking capacity, motor load switch cos φ = 0.35	230 V		A	190	260	X	640	700	760
*P1-40 φ = 0.45	400/415 V		A	150	300	290*	600	675	740
	500 V		A	170	290	X	590	750	880
	690 V		A	150	250	130*	340	440	520
Rated operational current 440V, load-break switch AC-21A		I_e	A	25	32	40	63	80	100
AC-3 motor load switch motor load	230 V	P	kW	5.5	7.5	7.5	15	18.5	22
	400/415 V	P	kW	7.5	13	15	30	33.5	37
	500 V	P	kW	7.5	18.5	X	30	38	45
	690 V	P	kW	7.5	15	15	30	33.5	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.

					P1-25	P1-32	P1-40	P3-63	P3-80	P3-100
Switching capacity										
AC-23A motor load switch motor load	230 V		P	kW	7	8.5	11	18.5	30	30
	400/415 V		P	kW	13	15	22	30	50	50
	500 V		P	kW	11	18.5	X	37	65	65
	690 V		P	kW	11	18.5	18.5	30	45	45
DC Voltage										
DC-1, load switch L/R = 1 ms		Rated operational current	I_e	A	25	32	X	63	80	100
		Voltage per contact connected in series		V	60	60	X	60	60	60
DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current	I_e	A	25	25	X	50	50	50
		Contacts		Number	1	1	X	1	1	1
	48 V	Rated operational current	I_e	A	25	25	X	50	50	50
		Contacts		Number	2	2	X	2	2	2
	60 V	Rated operational current	I_e	A	25	25	X	50	50	50
		Contacts		Number	3	3	X	3	3	3
	120 V	Rated operational current	I_e	A	12	12	X	25	25	25
		Contacts		Number	3	3	X	3	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.	690	690	690	690	690	690
Rated operational current I_u	Rated current			A	20	30	40	60	80	100
	Pilot duty				R300 / P600	R300 / P600	R300 / P600	R300 / P600	R300 / P600	R300 / P600
Switching capacity										
AC-3: max, rated power, 40-60 Hz AC motors										
	3-phase		200 V a.c.	HP	5	7½	X	15	15	20
			230 V a.c.	HP	5	10	X	15	20	25
			460 V a.c.	HP	10	20	X	40	50	60
			575 V a.c.	HP	15	25	X	50	60	75
	Single-phase		200 V a.c.	HP	1½	2	X	3	5	5
			230 V a.c.	HP	3	3	X	7½	10	10
			460 V a.c.	HP	3	5	X	10	15	15
Short-circuit rating										
	Standard		600 V a.c.	kA	5	5	5	10	10	10
	With back-up fuse			A	110	110	110	150	150	150
	With circuit-breakers			Part no.	NZMH6	NZMH6	NZMH6	NZMH6	NZMH6	NZMH6
	Current setting			A	125	125	125	125	125	125
Disconnect in motor circuits			600 V a.c.	kA	10	10	10	10	10	-
	With back-up fuse			Class	50 A/J	50 A/J	50 A/J	100 A	100 A	100 A
Terminal capacity										
Terminal capacity										
	Cu cable		Min./	AWG	14	14	14	14	14	14
			Max	AWG	8	8	8	2	2	2
Tightening torque			Max	in-lb	14.1	14.1	14.1	26.5	26.5	26.5
					H1 11					
Auxiliary contacts (1 N/O + 1 N/C)										
Pilot duty					R300					
Heavy pilot duty					A600					
General use					10 A - 600 V AC					

P4 Switch-disconnectors

				P4-125 (IEC)	P4-160 (IEC)	P4-30 (UL98)	P4-60 (UL98)	P4-100 (UL98)
General specifications								
Standards				IEC/EN 60947-1 and IEC/EN 60947-3		UL 98	UL98	UL98
Rated current	Iu			125 A	160 A	30 A	60 A	100 A
Rated operational voltage	VAC			690	690	600	600	600
Rated insulation voltage	Ui		VAC	1000	1000	1000	1000	1000
Rated impulse witstand	Uimp		kV	8	8	N/A	N/A	N/A
Frequency	Hz			50/60	50/60	50/60	50/60	50/60
Standard pole offering				3-pole, 3-pole + N	3-pole, 3-pole + N	3-pole	3-pole	3-pole
Electrical performance								
AC-21A	230 V	Ie	A	125	160	N/A	N/A	N/A
	415 V	Ie	A	125	160	N/A	N/A	N/A
	500 V	Ie	A	125	160	N/A	N/A	N/A
	690 V	Ie	A	125	160	N/A	N/A	N/A
AC-22A	230 V	Ie	A	125	160	N/A	N/A	N/A
	415 V	Ie	A	125	160	N/A	N/A	N/A
	500 V	Ie	A	125	160	N/A	N/A	N/A
	690 V	Ie	A	125	160	N/A	N/A	N/A
AC-23A	230 V	Ie	A	125	160	N/A	N/A	N/A
	415 V	Ie	A	125	160	N/A	N/A	N/A
	500 V	Ie	A	100	100	N/A	N/A	N/A
	690 V	Ie	A	60	60	N/A	N/A	N/A
AC-23Ae	230 V	Ie	A	125	128	N/A	N/A	N/A
	415 V	Ie	A	125	128	N/A	N/A	N/A
	500 V	Ie	A	80	80	N/A	N/A	N/A
	690 V	Ie	A	45	45	N/A	N/A	N/A
AC-3	230 V	Ie	A	85	85	N/A	N/A	N/A
	415 V	Ie	A	75	75	N/A	N/A	N/A
	500 V	Ie	A	75	75	N/A	N/A	N/A
	690 V	Ie	A	32	32	N/A	N/A	N/A
AC-3e	230 V	Ie	A	68	68	N/A	N/A	N/A
	415 V	Ie	A	60	60	N/A	N/A	N/A
	500 V	Ie	A	50	50	N/A	N/A	N/A
	690 V	Ie	A	N/A	N/A	N/A	N/A	N/A
Short-circuit parameter								
Rated short-time withstand current for 1s		Icw	kA	2.5	2.5	N/A	N/A	N/A
Rated short-circuit making capacity		Icm	kA	3.6	3.6	N/A	N/A	N/A
Conditional Iq, upstream fuse at 415 V (with 160NHG01B fuse)		Iq	kA	85	85	N/A	N/A	N/A
Conditional Iq, upstream fuse at 690 V (with 160NHG01B fuse)		Iq	kA	50	50	N/A	N/A	N/A
Conditional Iq, downstream fuse at 415 / 690 V (with 160NHG1B-690 fuse)		Iq	kA	10	10	N/A	N/A	N/A
UL98 Ratings								
1-phase motor	120 VAC		HP	N/A	N/A	2	3	5
	240 VAC		HP	N/A	N/A	5	10	10
3-phase motor	240VAC		HP	N/A	N/A	10	20	20
	480 VAC		HP	N/A	N/A	20	40	50
	600 VAC		HP	N/A	N/A	25	50	50
SCCR	600 VAC		kA	N/A	N/A	25	25	25
	480 VAC		kA	N/A	N/A	100	100	100
Required fuse protection				N/A	N/A	30 A Class J Fuse	60 A Class J Fuse	100 A Class J Fuse

	P4-125 (IEC)	P4-160 (IEC)	P4-30 (UL98)	P4-60 (UL98)	P4-100 (UL98)
Connections, mechanics and functions					
Main conductor material	Copper only	Copper only	Copper, 75 °C	Copper, 75 °C	Copper, 75 °C
Main conductor range	6-70 mm² stranded/ flexible with ferrule	6-70 mm² stranded/ flexible with ferrule	10-2 AWG	10-2 AWG	10-2 AWG
Main terminal screw	M8	M8	M8	M8	M8
Main tightening torque Nm	7	7	7	7	7
Mechanical endurance	30,000	30,000	30,000	30,000	30,000
Electrical endurance - AC-21A	1500	1500	N/A	N/A	N/A
Electrical endurance - UL	N/A	N/A	6000	6000	6000
Max. operating frequency Operations/h	120 operations	120 operations	N/A	N/A	N/A
Open-air operating range	-25 to +50 °C	-25 to +50 °C	N/A	N/A	N/A
Open-switch front protection	IP20	IP20	Configuration-dependent enclosure rating	Configuration-dependent enclosure rating	Configuration-dependent enclosure rating
Mounting concepts	Front/flush; rear panel; DIN rail; enclosed	Front/flush; rear panel; DIN rail; enclosed	Front/flush; rear panel; DIN rail; enclosed	Front/flush; rear panel; DIN rail; enclosed	Front/flush; rear panel; DIN rail; enclosed
Padlocking	Yes	Yes	Yes	Yes	Yes

				IEC	UL
Auxiliary contact data					
Contact arrangement				1 N/O late-make + 1 N/C early-break	
Pilot duty				N/A	A600 / R300
General use (UL Only)				N/A	10 A at 600 V AC
IEC auxiliary ratings	AC-15	220 VAC	A	6	N/A
		230 VAC	A	6	N/A
		240 VAC	A	6	N/A
		380 VAC	A	4	N/A
		400 VAC	A	4	N/A
		415 VAC	A	4	N/A
		500 VAC	A	1.5	N/A
Auxiliary terminal torque (IEC)				1.2 Nm for screw version	N/A
Auxiliary conductor range				0.75-2.5 mm² (IEC)	18-14 AWG (UL)

				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	0.08	0.08
Maximum operating frequency		Operations/h		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
	Enclosed		°C	-25 - 40	-25 - 40
Mounting position				Any	Any
Contacts					
Rated operational voltage		U_e	V A C	690	690
Rated impulse withstand voltage		U_{imp}	V A C	8000	8000
Overvoltage category/pollution degree				III/3	III/3
Rated uninterrupted current		I_u	A	250	315
Load rating with intermittent operation, class 12	AB 60% DF		x I_e	1.3	1.3
	AB 40% DF		x I_e	1.6	1.6
	AB 25% DF		x I_e	2	2
Short-circuit rating	Fuse		A gG/gL	250	315
Rated conditional short-circuit current	Load side	I_q	kA	30	15
	Supply side	I_q	kA	-	-
Rated short-time withstand current (1s current)		I_{cw}	A_{rms}	4600	5800
Isolating characteristics to IEC/EN 60947			V AC	≤ 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
Switching angle			°	90	90
Contacts			Number	Max. 3 (+N)	Max. 3 (+N)
Current heat loss per contact at I_e			W	13	16
Terminal capacity					
Solid or stranded			mm^2	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 20 x 1	-
Copper strip. 2 flat conductors			mm	-	6 x 20 x 1
Flexible with ferrule to DIN 46228			mm^2	1 x (25-120) 2 x (25-50)	1 x (25-120) 2 x (25-50)
Terminal screw				Hexagon screw 6	
Tightening torque			Nm	16	16
	400/415 V	P	kW	30	50
	500 V	P	kW	37	65
	690 V	P	kW	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.

						P5-250	P5-315
Switching capacity							
AC Voltage							
	Rated making capacity cos φ = 0.35				A	1700	2050
	Rated breaking capacity, motor load switch cos φ = 0.35		230 V		A	1600	1800
			400/415 V		A	1380	1650
			500 V		A	1250	1550
			690 V		A	400	400
	Rated operational current 440V, load-break switch AC-21A			I_e	A	250	315
	AC-3 motor load switch motor load		230 V	P	kW	37	45
			400 V	P	kW	55	75
			690 V	P	kW	45	45
	AC-23A motor load switch motor load		230 V	P	kW	37	55
			400 V	P	kW	90	110
			690 V	P	kW	45	45
DC Voltage							
	DC-1, load switch L/R = 1 ms		Rated operational current	I_e	A	250	315
			Voltage per contact connected in series		V	42	42
	DC-23A, motor load switch L/R = 15 ms	24 V	Rated operational current	I_e	A	250	315
			Voltage per contact connected in series		Number	3	3
		48 V	Rated operational current	I_e	A	250	315
			Contacts		Number	3	3
		60 V	Rated operational current	I_e	A	250	315
			Contacts		Number	3	3
		120 V	Rated operational current	I_e	A	250	315
			Contacts		Number	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	690	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 0.75 -2.5 2 x 0.75 - 2.5	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_r	< 10-5, < 1 failure for 100,000 switching operations	

					P5-250	P5-315
Rating data for approved types UL File No E36332						
Contacts						
Rated operational voltage			U_e		600	600
Rated impulse withstand voltage(1)			U_{imp}	V a.c.	8000	8000
Rated uninterrupted current(2)			I_u	A	250	300
Rated operational current						
Ampere rating	Off switch		I_e	A	250	300
	Changeover switches		I_e	A	X	X
Non inductive and slightly inductive loads						
Rated switching duty						
DOL rating (similar to AC-3)						
3-phase, 3-pole						
	120 V			HP	30	40
	240 V			HP	60	75
	480 V			HP	75	100
	600 V			HP	75	100
Short-circuit rating						
Max back-up fuse, gL characteristics				A	250	315
Rated short-time withstand current (1s current)				A	4600	5000
Terminal capacity						
Cu cable						
Solid or stranded for box terminal				AWG	X	X
				MCM	350	350
Flexible without ferrule				AWG	X	X
				MCM	300	300
Connection with cable lug or busbar					M10 x	M10 x
Terminal screw					20	20
Max. width					20	20
Max width with terminal cover					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-P5-250(315)
Auxiliary contacts					
Standards					
Rated uninsulated voltage	U_i		V a.c.	690	600
Rated uninterrupted current	I_u		A		10
Rated operational current	I_e				
Pilot duty				R300	P600
Heavy pilot duty				A600	A600
General use				10 A - 600 V a.c	
Ampere rating					
Non inductive and slightly inductive loads				-	10
Short-circuit rating					
Max. fuse	gL characteristic		A	-	16
Terminal capacity					
Solid or stranded			AWG	-	12
Flexible without ferrule			AWG	-	14

Devices for world markets IEC, UL/CSA

				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

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 (0.75-2.5) 2 x (0.75-2.5)	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-...	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

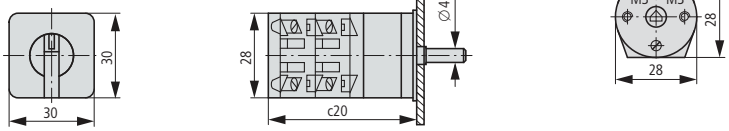
						T6-3-8212/E/HI12	T6-160-...	T8-...
Switching capacity								
AC Voltage								
Rated making capacity cos φ = 0.35					A	1600	1600	2390
Rated breaking capacity, motor load switch cos φ = 0.35		230 V			A	1280	1280	1910
		400 V			A	900	900	1800
		500 V			A	880	880	1200
		690 V			A	340	340	420
Rated operational 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 circuit reliability at 24 V d.c., 10 mA				Fault probability	HF	< 10-5, < 1 failure for 100,000 switching operations		

Dimensions

T Cam switches

TM Flush mounting /E - mm

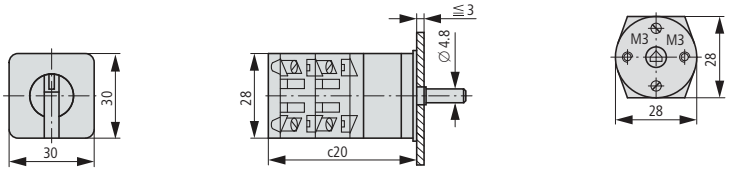
Drilling dimensions



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

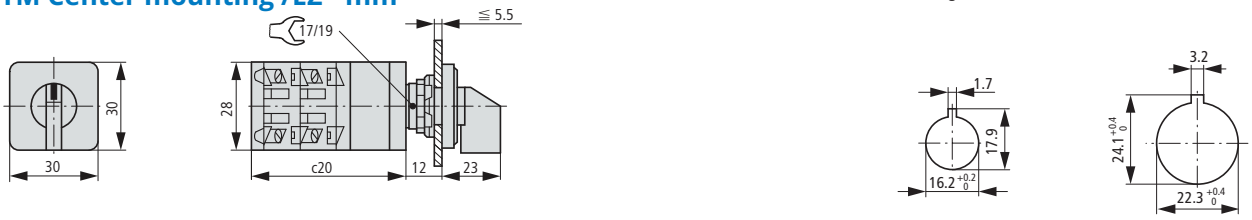
Control circuit isolators for 2 padlocks Ø 4 mm or 1 padlock Ø 6 mm

Drilling dimensions



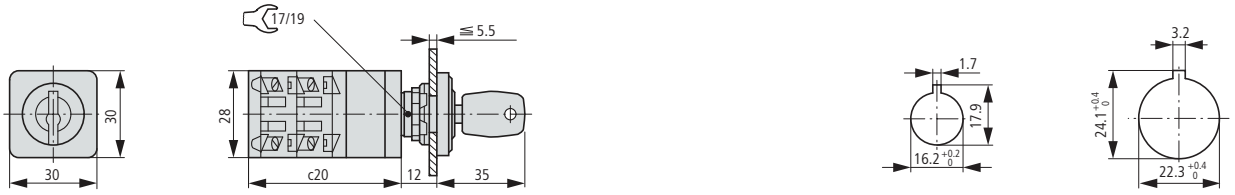
TM Center mounting /EZ - mm

Drilling dimensions[1)]



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

Drilling dimensions[1)]

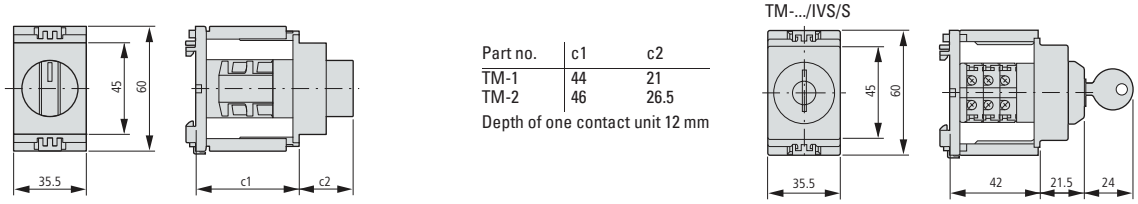


Part no.	c20	c21
TM-1	39	42
TM-2	51	54
TM-3	63	66
TM-4	75	
TM-5	87	
TM-6	99	
TM-7	111	
TM-8	123	

Depth of one contact unit: 12 mm

TM Service distribution board mounting /IVS - mm

TM-.../IVS/S

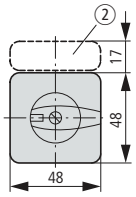


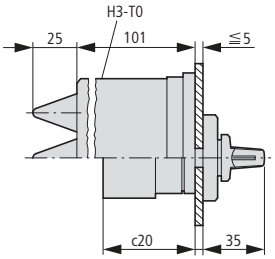
Part no.	c1	c2
TM-1	44	21
TM-2	46	26.5

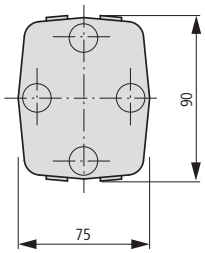
Depth of one contact unit 12 mm

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

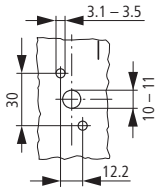
T0 and T3 Flush mounting /E (+H-T0) - mm



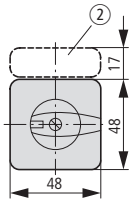


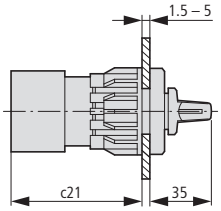


Drilling dimensions

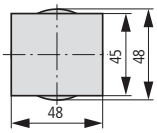


T0 and T3 Center mounting /EZ - mm

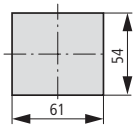




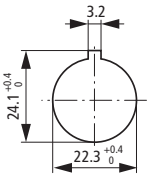
T0



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

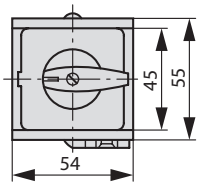
Depth of one contact unit: 9.5 mm

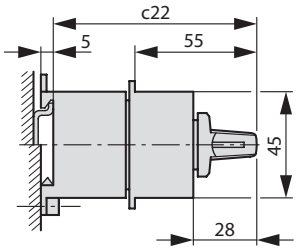
Part no.	c20	c21
T3-1...	44	64
T3-2...	56	76
T3-3...	67	87
T3-4...	79	99
T3-5...	90	110
T3-6...	102	122
T3-7...	113	133
T3-8...	125	145
T3-9...	136	156
T3-10...	148	168
T3-11...	159	179

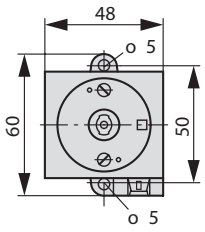
Depth of one contact unit: 11.5 mm

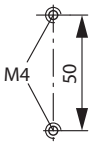
② Not included as standard

T0 Service distribution board mounting /IVS - mm



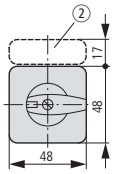


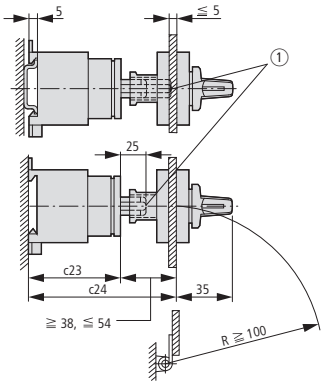




T0 and T3 Rear mounting /Z - mm

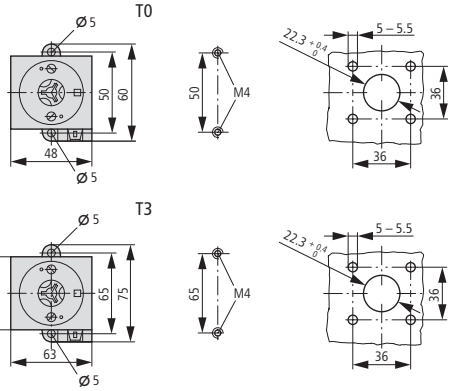
① Extension with





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	–

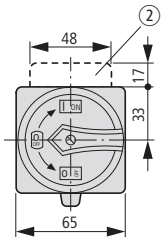
Depth of one contact unit: 9.5 mm

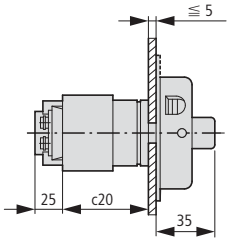
Part no.	c20	c21	c22	c23	c24 ≧/≦	c24 with ≦ 4 ZAV	c25
T3-1...	44	64	80	51	86 – 105	205	79
T3-2...	56	76	92	63	101 – 115	216	79
T3-3...	67	87	103	74	112 – 128	228	101
T3-4...	79	99	115	86	124 – 139	239	101
T3-5...	90	110	126	97	135 – 151	251	–
T3-6...	102	122	138	109	147 – 162	262	–
T3-7...	113	133	149	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	–

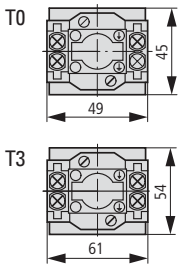
Depth of one contact unit: 11.5 mm

② Not included as standard

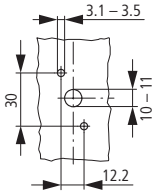
T0 and T3 Flush mounting Main switch /EA/SVB - mm





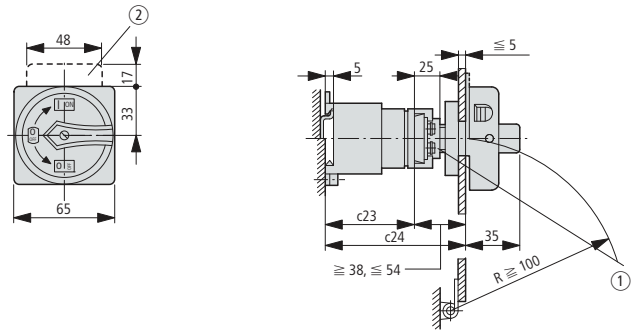


Drilling dimensions door

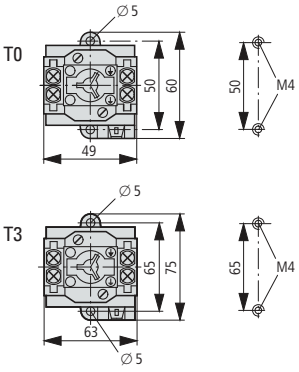


T0 and T3 Rear Main switch /V/SVB - mm

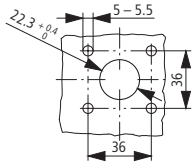
Rear mounting main switches
T0.../V/SVB
T3.../V/SVB



Drilling dimensions base

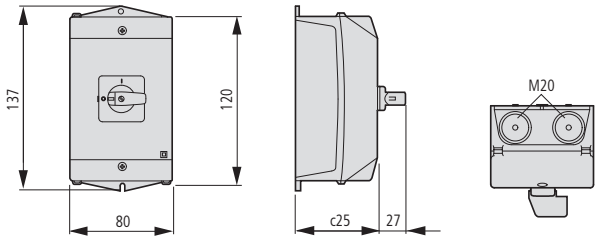


Drilling dimensions door

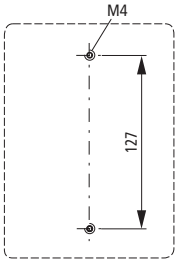


① Interlock extension possible with ZVV-T0 + ZAV-T0, F 4 x 25 = 100 mm
② Not included as standard

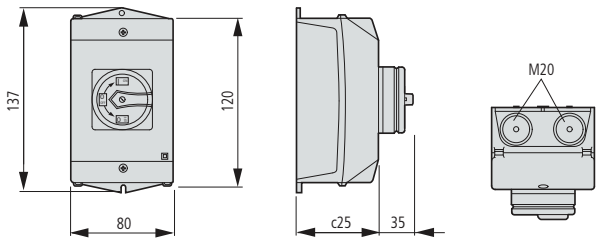
T0 Surface mounting /I1 - mm



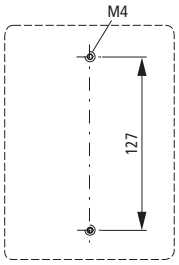
Drilling dimensions base



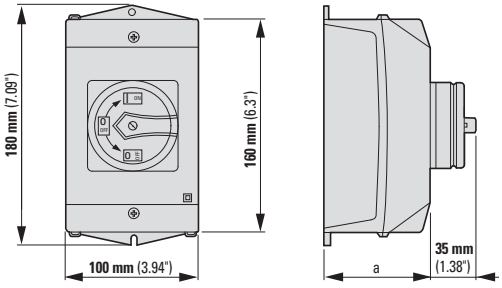
T0 Surface mounting main switches /I1 padlock facility - mm

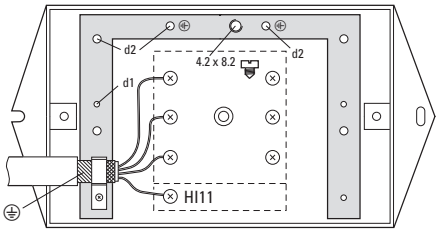


Drilling dimensions base



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

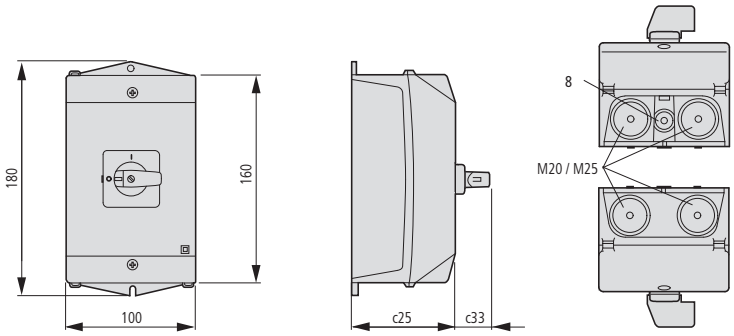




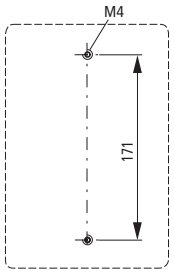
mm	in	mm	Ø	mm	in
7	0.28	2 x 4.2 x 8.2	d1	3.5	0.14
8	0.32	2 x 4.2 x 8.2	d1	3.5	0.14
10	0.39	2 x 4.2 x 8.2	d1	3.5	0.14
12	0.47	2 x 4.8 x 10.5	d2	4.1	0.16

a = 101 mm (3.98")

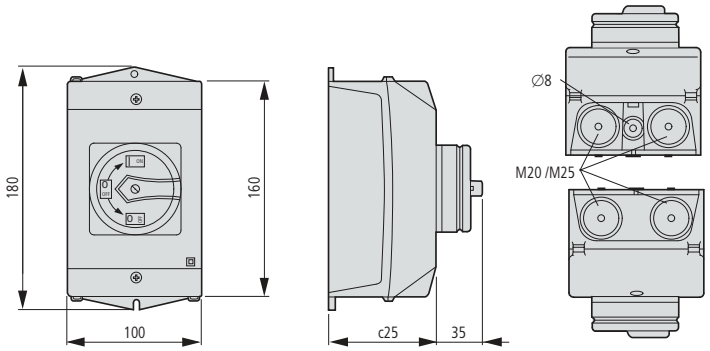
T3 Surface mounting /I2 - mm



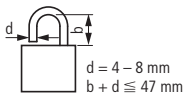
Drilling dimensions base



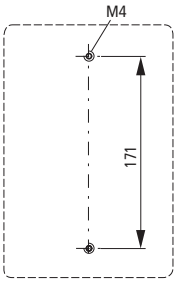
T3.../I2/SVB Surface mounting main switch - mm



≦ 3 padlocks



Drilling dimensions base

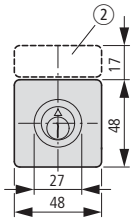


Part no.	c25
T0-1...	75
T0-2...	75
T0-3...	95
T0-4...	95

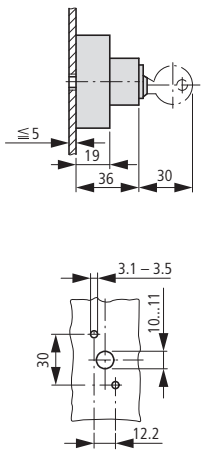
Part no.	c25	c33
T3-1...	80	27
T3-2...	80	27
T3-3...	100	35
T3-4...	100	35
T3-5...	145	35

Key operated lock mechanism - mm

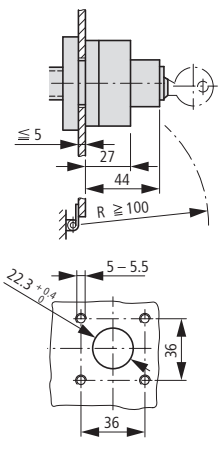
S-T0
S-SOND...-T0



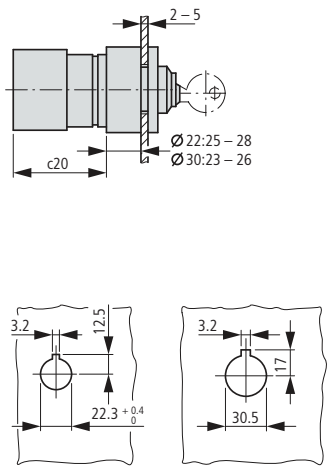
T0.../E(I1) + S-(SOND-)T0
T3.../E(I2) + S-(SOND-)T0



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

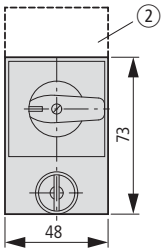


T0.../EZ = T0../E + EZ-T0 + S-(SOND-)T0
T3.../EZ = T3../E + EZ-T0 + S-(SOND-)T0

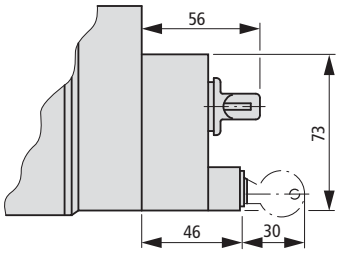


Cylinder lock - mm

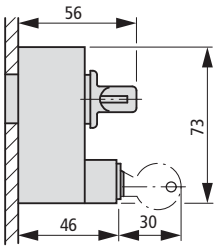
SVA-T3



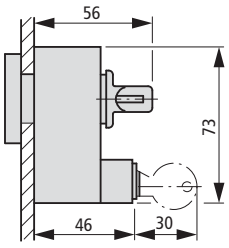
T0.../I1/SVA
T3.../I2/SVA
P1.../12/SVA



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

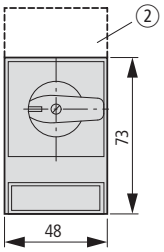


T0.../Z/SVA...
T3.../Z/SVA...
P1.../Z/SVA

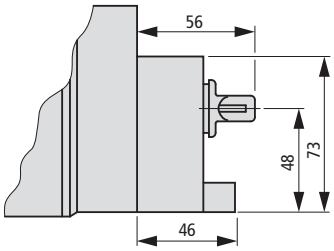


Padlocking feature - mm

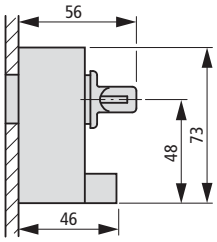
SVC-T3



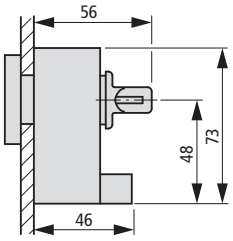
T0.../I1/SVC
T3.../I2/SVC
P1.../12/SVC



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

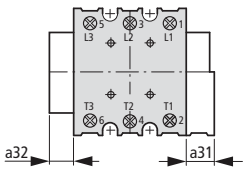


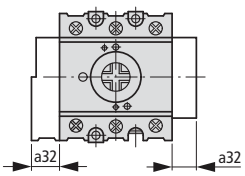
T0.../Z/SVC...
T3.../Z/SVC...
P1.../Z/SVC

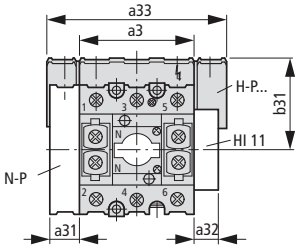


Modules - mm

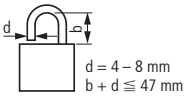
Switched neutral conductor N-P...
Auxiliary contacts HI 11-P1/P3







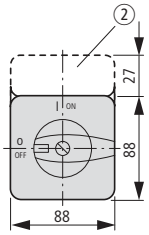
≦ 3 padlocks

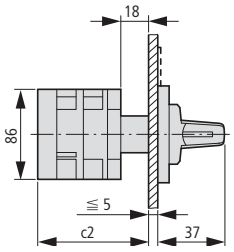


② Not included as standard

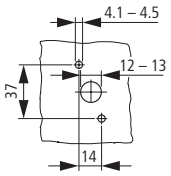
	a3	a31	a32	a33	b31
P1	49	15	10.3	83	49
P3	72	18	10.3	114	60

T5(B) Flush mounting /E - mm

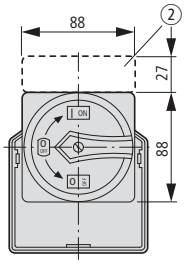


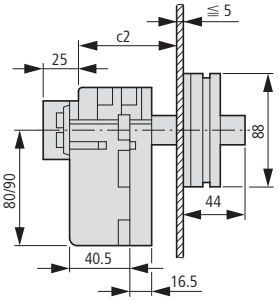


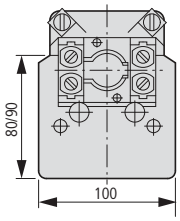
Drilling dimensions door



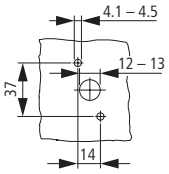
T5(B) Flush mounting main switches /EA/SVB - mm



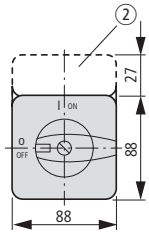


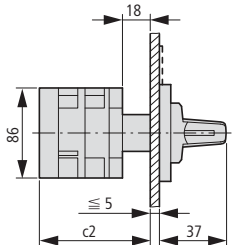


Drilling dimensions door

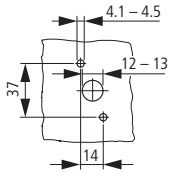


T5(B) Rear mounting /Z - mm

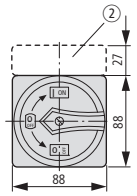


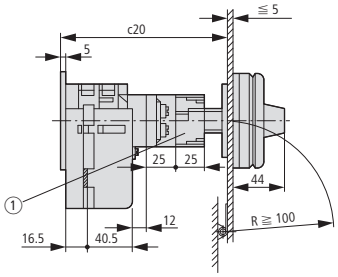


Drilling dimensions door

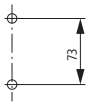


T5(B) Rear mounting main switch /V/SVB - mm

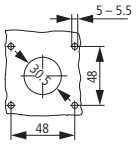




Drilling dimensions base



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

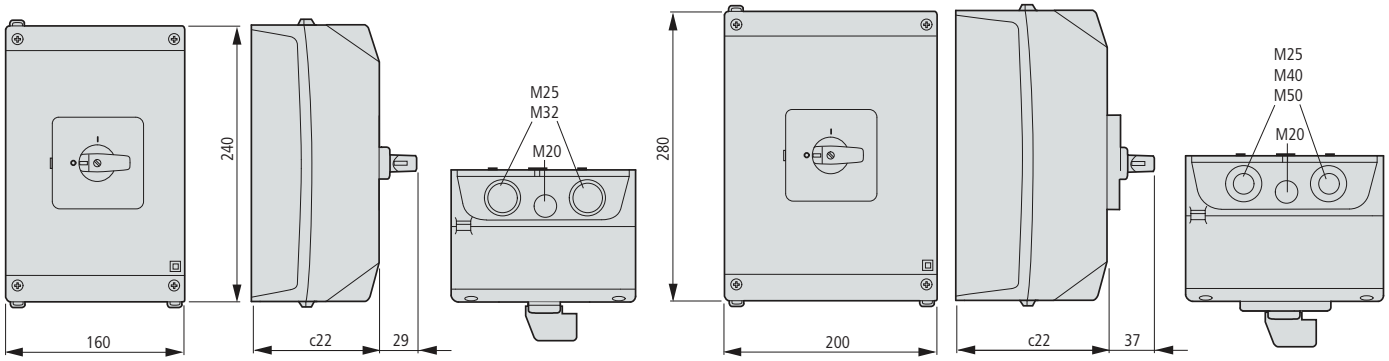
① Extension possible with ZVV-P3, ≦ 4 x 25 = 100 mm

② Not included as standard

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

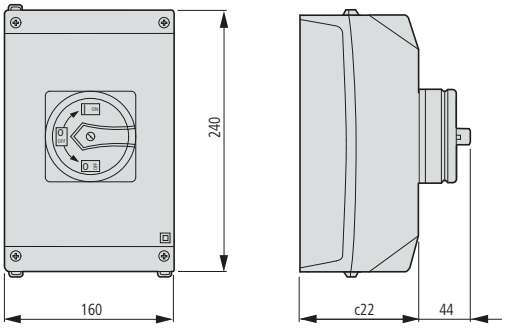
T5B Surface mounting /I4 - mm

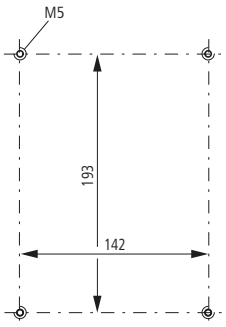
T5.../I5



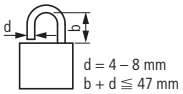
T5B Surface mounting main switches /I4/SVB - mm

Drilling dimensions

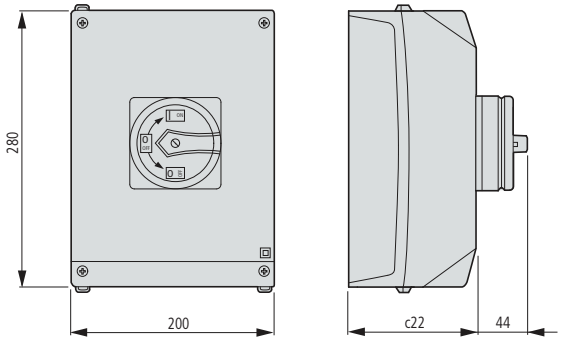




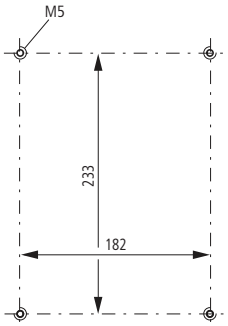
≦ 3 padlocks



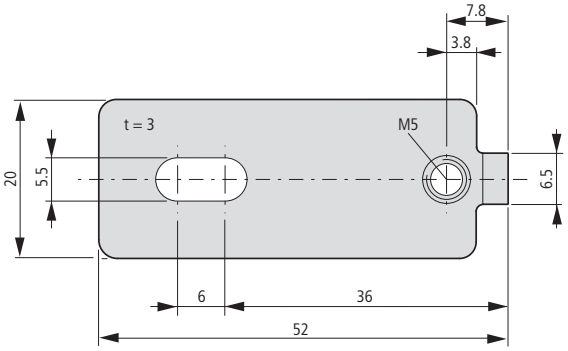
T5 Surface mounting main switches /I5/SVB - mm



Drilling dimensions



AB-CI-K415 External fixing brackets -mm

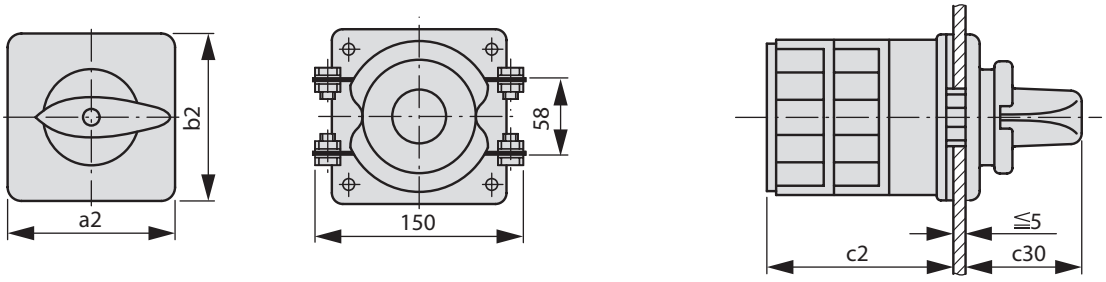


Part no.	c22
T5(B)-1...	125
T5(B)-2...	125
T5(B)-3...	160
T5(B)-4...	160

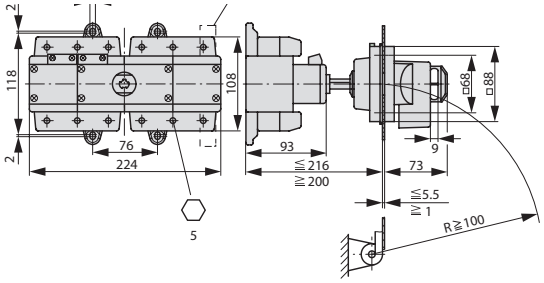
Depth of one contact unit: 16.5 mm

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

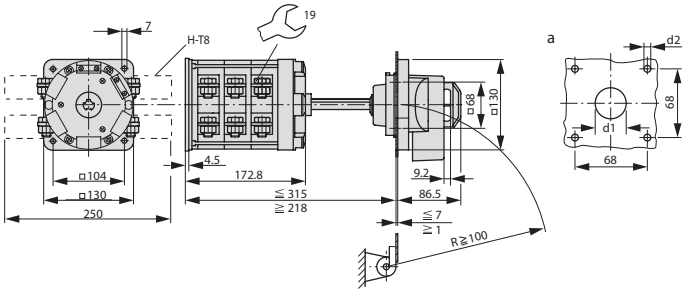
T6-3-8212/E/HI12 and T8-3-8212/E/HI12 Flush mounting - mm



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

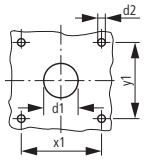


T8-3-8342/V/SVB-(SW)/HI11 - mm



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

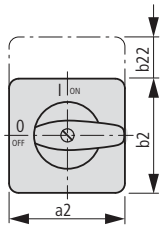
≦ 3 padlocks for T.../SVB



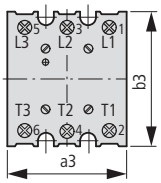
d = 4 – 8 mm
b + d ≦ 47 mm

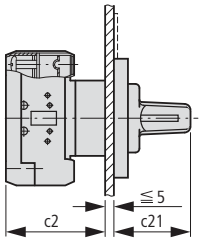
P Flush mounting/E and Center mounting /EZ - mm

P.../E



P1.../EZ

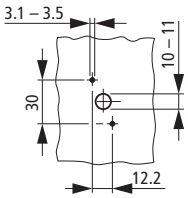




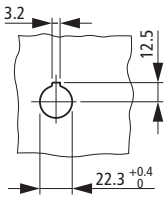
P1.../EZ = c2 + 5 mm

Drilling dimensions door

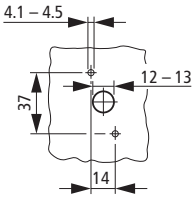
P1-.../E



P1-.../EZ

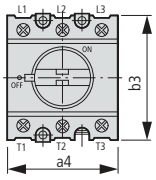


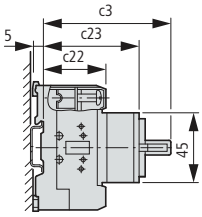
P3-.../E

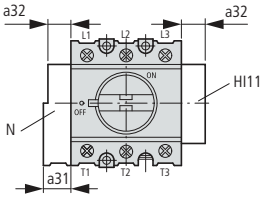


P Service distribution board /IVS - mm

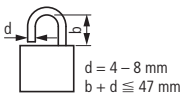
P3.../IVS



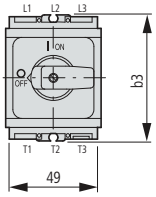


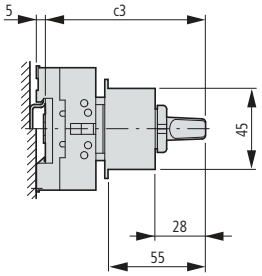


≦ 3 padlocks

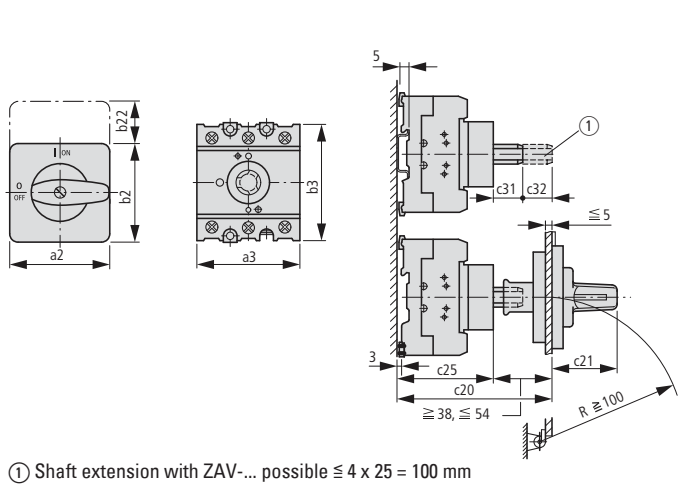


P1.../IVS

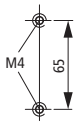




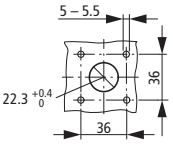
P Rear mounting /Z - mm



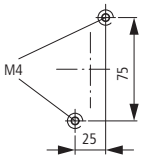
Drilling dimensions base P1.../Z

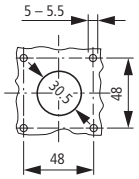


Drilling dimensions door



P3.../Z



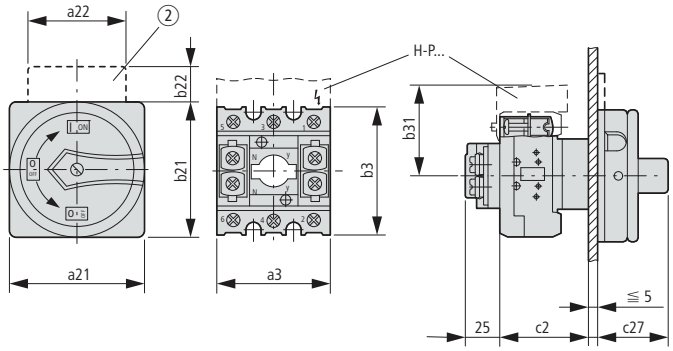


① Shaft extension with ZAV-... possible ≦ 4 x 25 = 100 mm

	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	10.3	83	48	70	65	17	180	32	49
P3	87	72	71.5	87	87	125	18	10.3	114	87	83	87	27	175	-	60

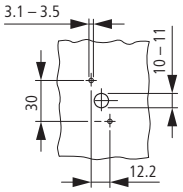
	c2	c3	c20 ≥/≤	c20 with ≤4 ZAV/ZW	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1	59	86	96-112	212	35	32	65	68	58	35	77	25	25	27
P3	59	82	103 - 118	218	37	41	63	81	65	44	90	25	25	29

P Flush mounting main switch /EA/SVB - mm

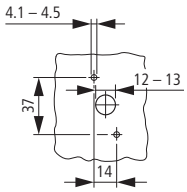


Drilling dimensions door

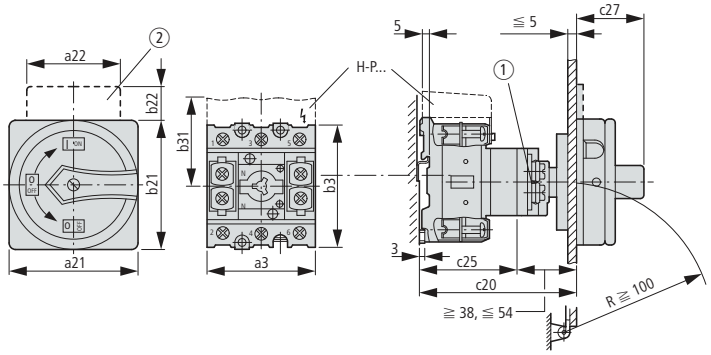
P1...



P3

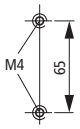


P Rear mounting main switch /V/SVB - mm

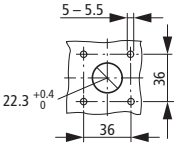


Drilling dimensions base

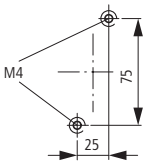
P1/V/SVB

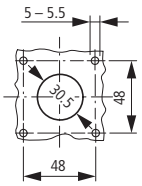


Drilling dimensions door



P3/V/SVB





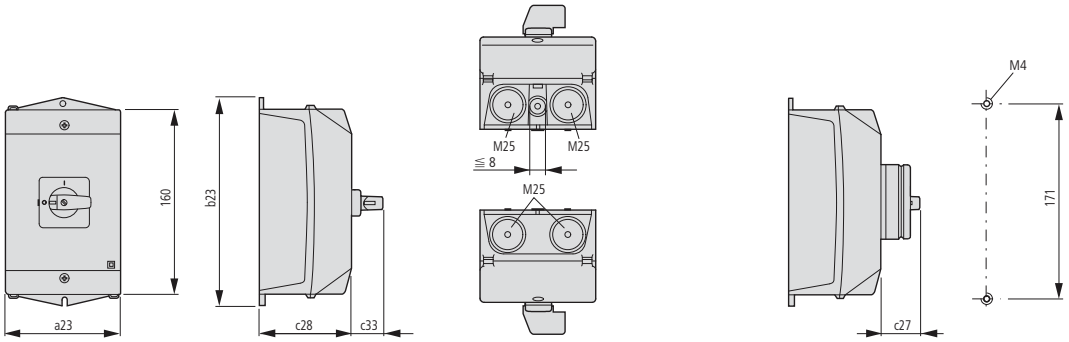
① Interlock extension with ZVV-...+ZAV... possible ≦ 4 x 25 = 100 mm
② Not included as standard

P1 Surface mounting /I2 - mm

Surface mounting
P1.../I2

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

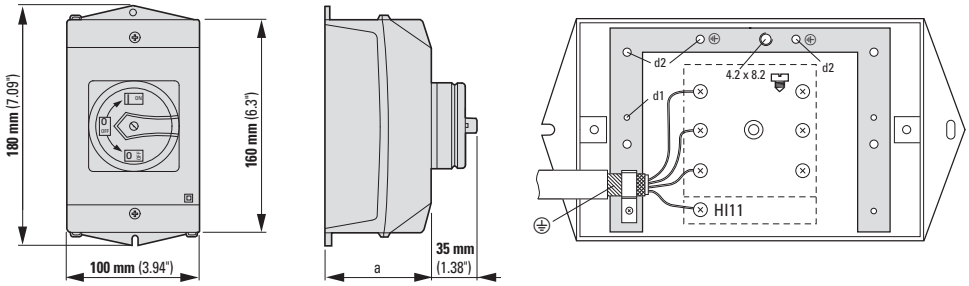
Drilling dimensions



	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	10.3	83	48	70	65	17	180	35.5	49

	c2	c3	c20 ≥/≤	c20 with ≤4 ZAV/ZW	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

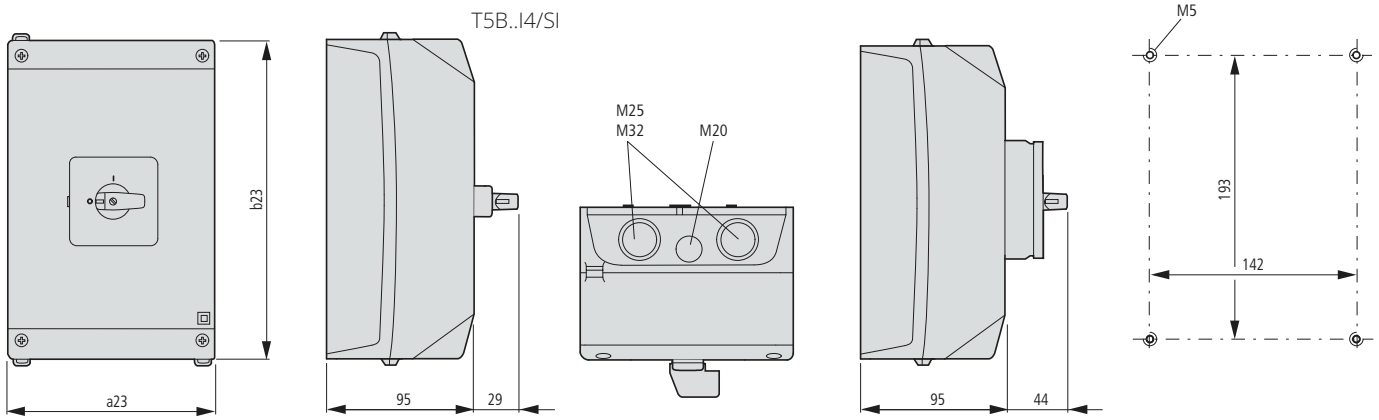
a = 101 mm (3.98")

P3-63 Surface mounting /I4 - mm

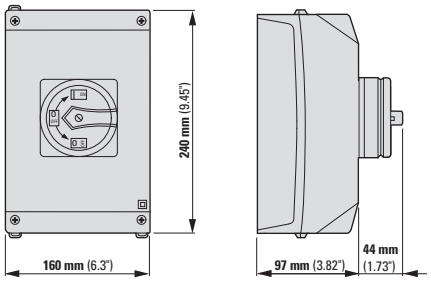
Surface mounting
P3-63/I4

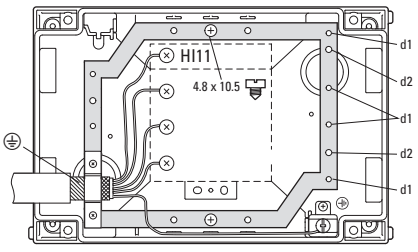
Surface mounting main switches/safety switches
P3-63/I4/SVB
P3-63/I4/SI
T5B..I4/SI

Drilling dimensions



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







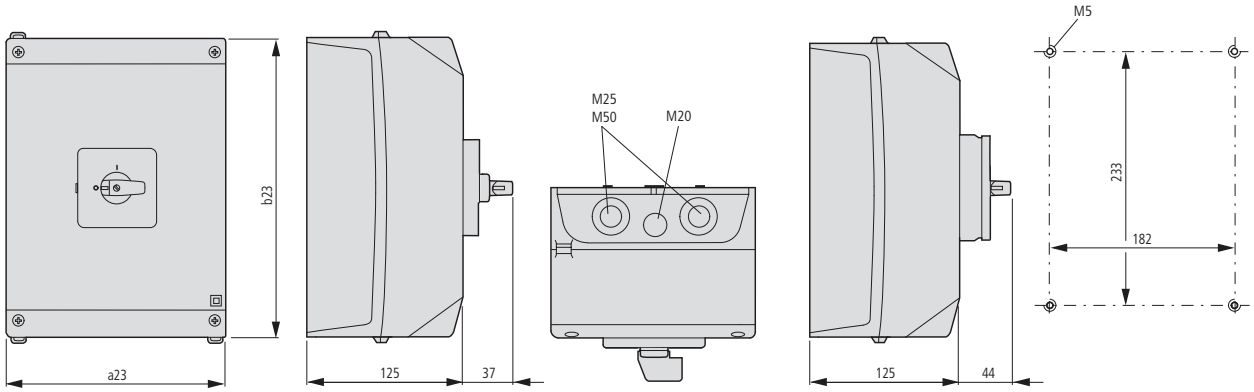
mm	in	mm	⌀	mm	in
12	0,47	2 x 4,8 x 10,5	d2	4,1	0,16
16	0,63	2 x 4,8 x 10,5	d2	4,1	0,16
20	0,79	2 x 4,2 x 8,2	d1	3,5	0,14

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

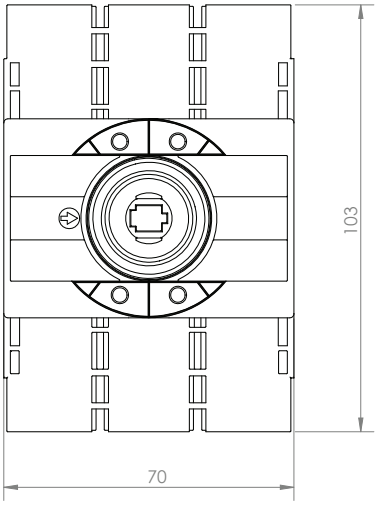
Drilling dimensions

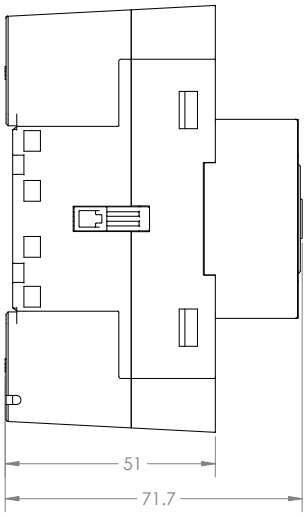


	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P3-63/I4	87	72	71.5	87	87	160	18	10.3	114	87	83	87	27	240	35.5	60
P3-100/I5	87	72	71.5	87	87	200	18	10.3	114	87	83	87	27	280	35.5	60

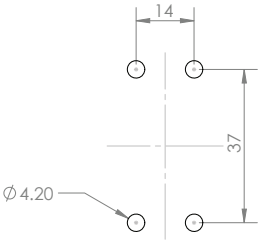
	c2	c3	c20 ≥/≤	c20 with ≤4 ZAV/ZW	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P3-63/I4	59	82	103-118	218	37	41	63	81	65	44	125	25	25	37
P3-100/I5	59	82	103-118	218	37	41	63	81	65	44	125	25	25	37

P4 Flush mounting/E 3-pole - mm

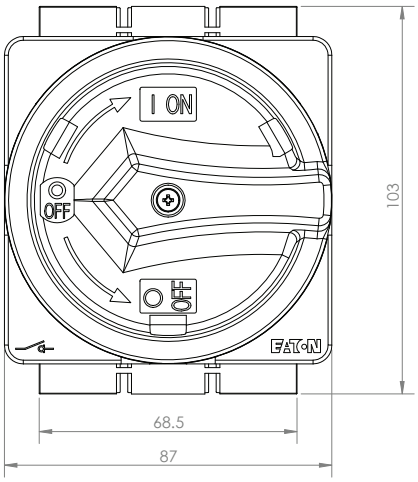


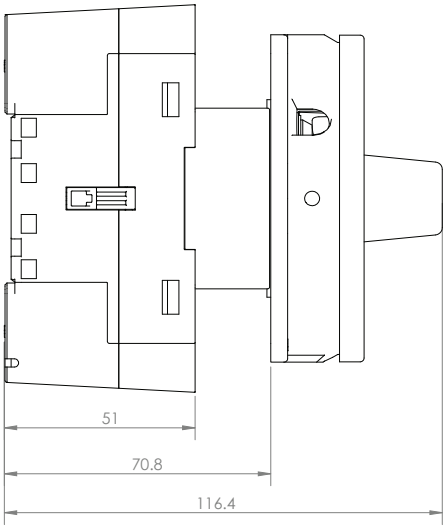


Mounting Dimensions

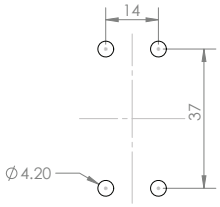


P4 Flush mounting main switch /EA/SVB 3-pole- mm

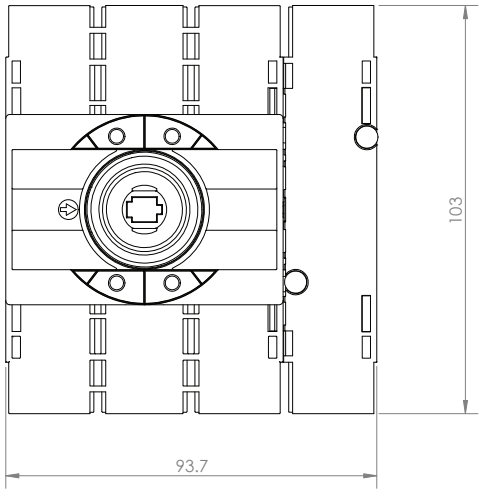


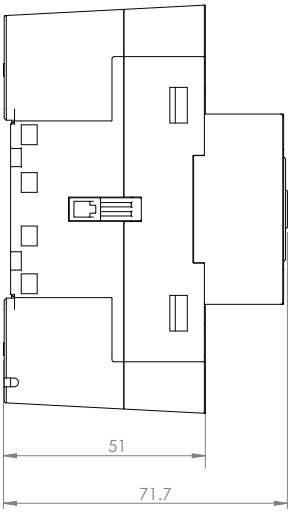


Mounting Dimensions

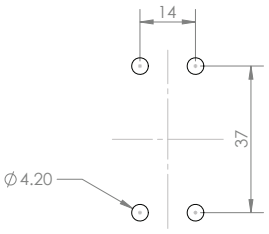


P4 Flush mounting/E 3-pole + Neutral - mm

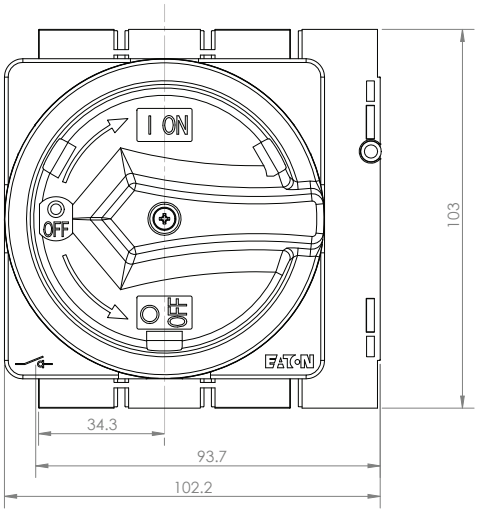


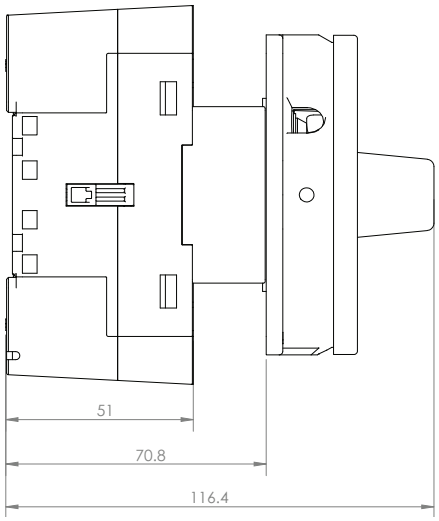


Mounting Dimensions

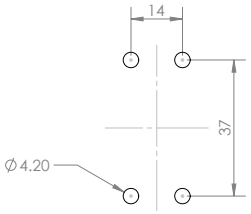


P4 Flush mounting main switch /EA/SVB 3-pole + Neutral - mm



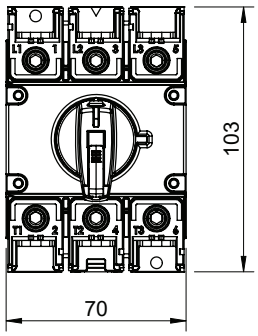


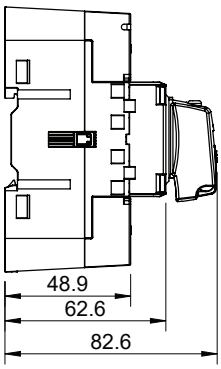
Mounting Dimensions



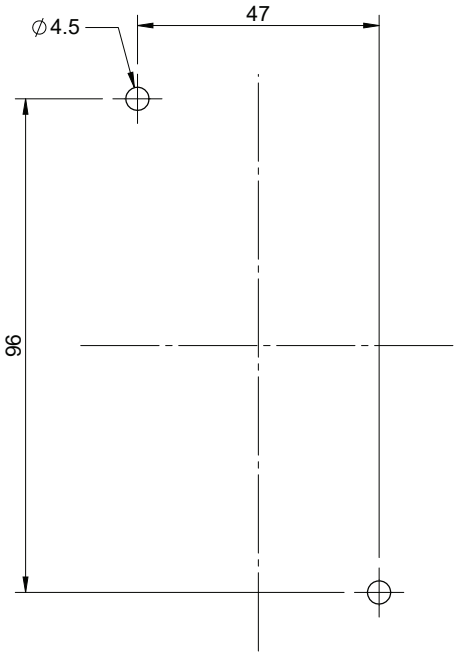
P4 Rear mounting On-Off switch /Z - mm

P4-.../Z

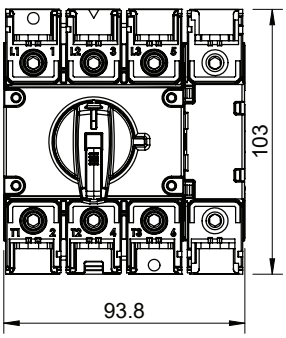


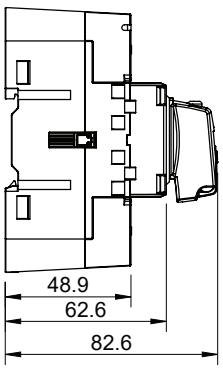


MOUNTING DETAILS

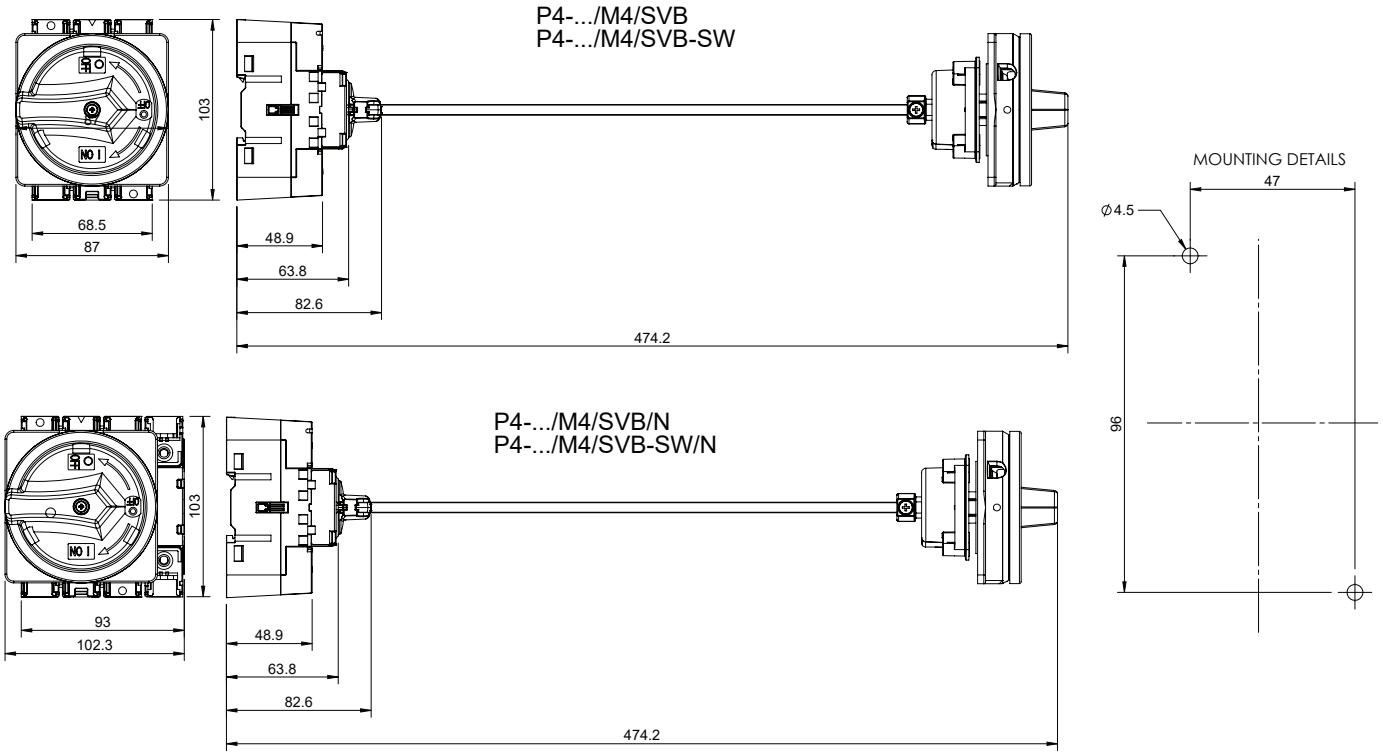


P4-.../Z/N

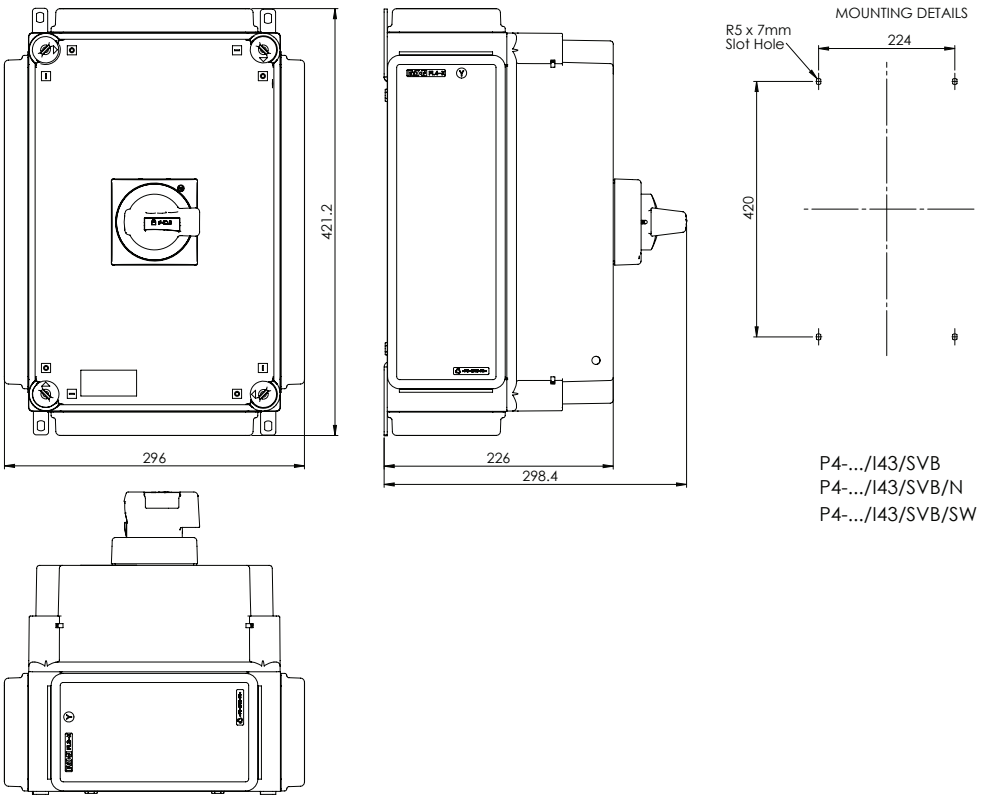




P4 Rear mounting Main switch M4/SVB with 400 mm metal shaft - mm

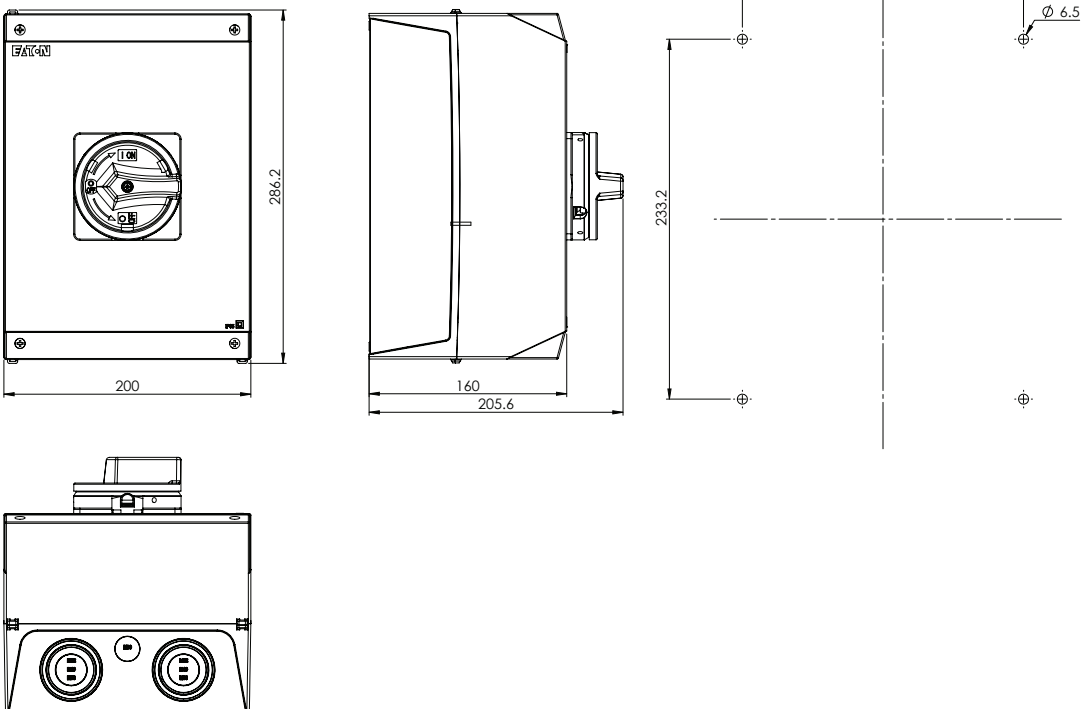


P4 I43 Ci-K polycarbonate enclosure with transparent cover - mm



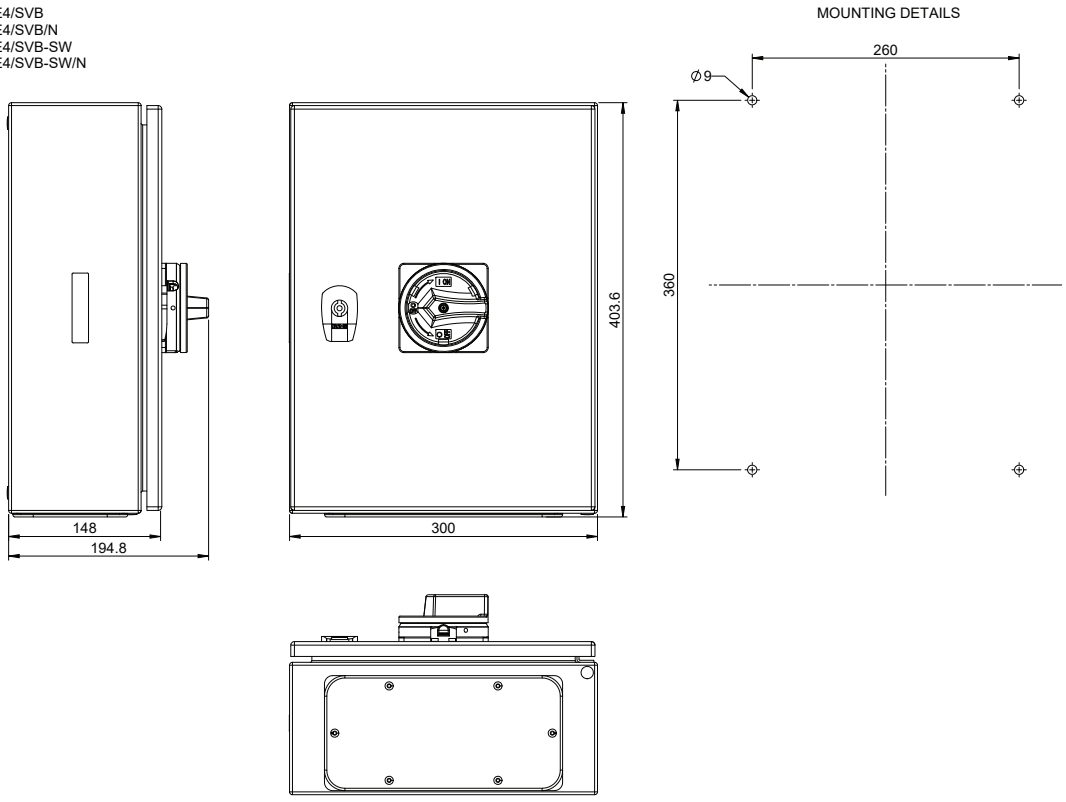
P4 I5 Ci-K polycarbonate enclosures - mm

P4-.../I5/SVB
P4-.../I5/SVB/N
P4-.../I5/SVB/SW

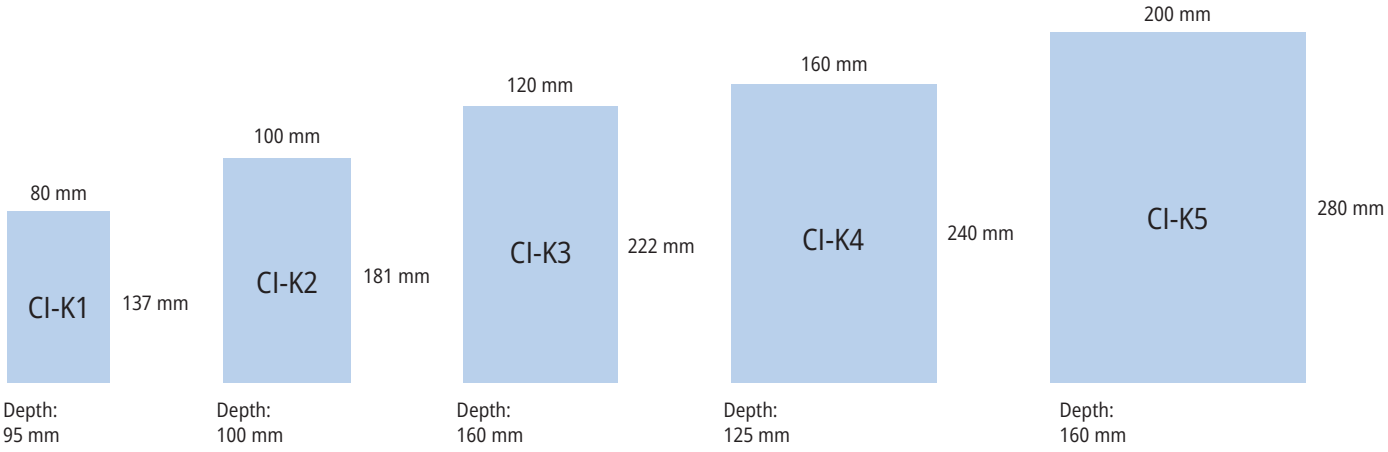


P4 SE4 Steel enclosure - mm

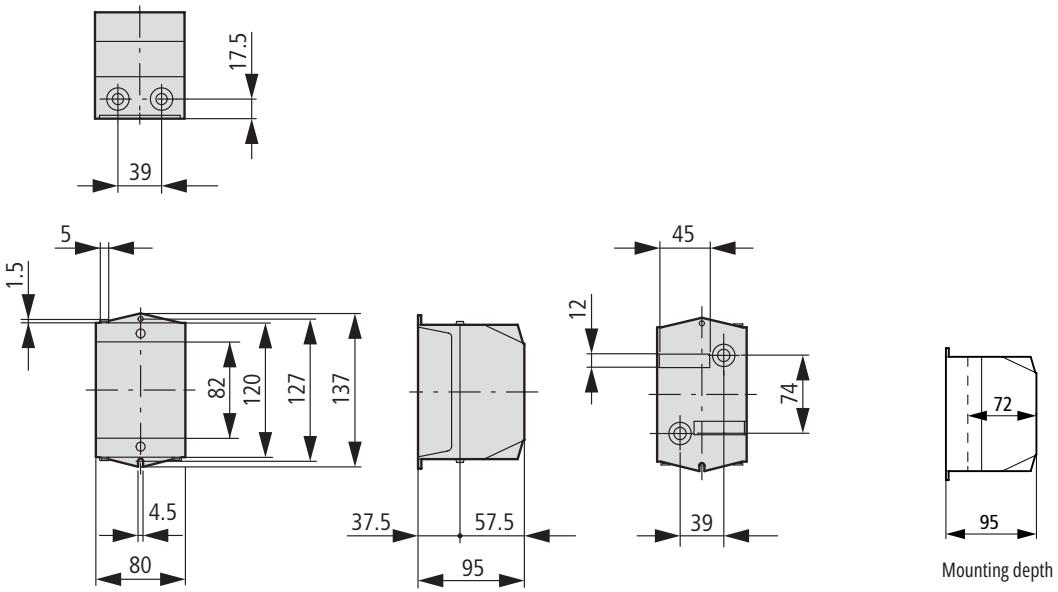
P4.../SE4/SVB
P4.../SE4/SVB/N
P4.../SE4/SVB-SW
P4.../SE4/SVB-SW/N



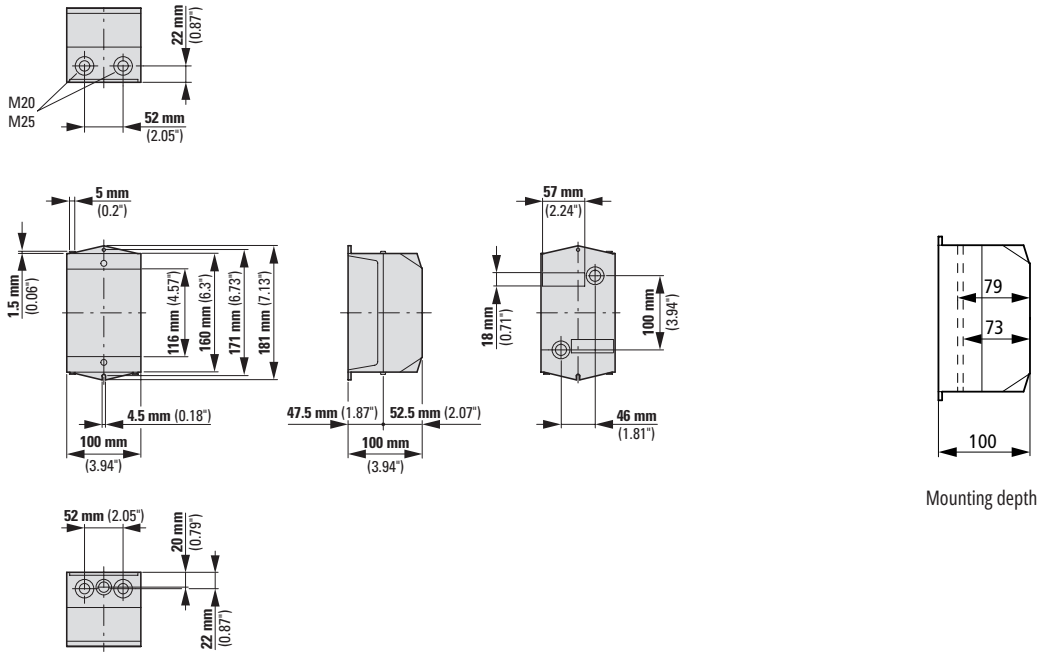
CI-K Polycarbonate enclosures - Dimensions overview - mm



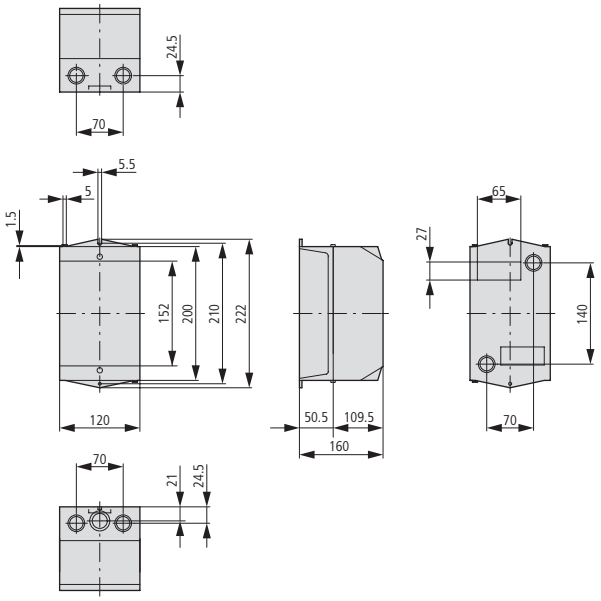
CI-K1 - mm

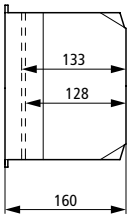


CI-K2 - mm



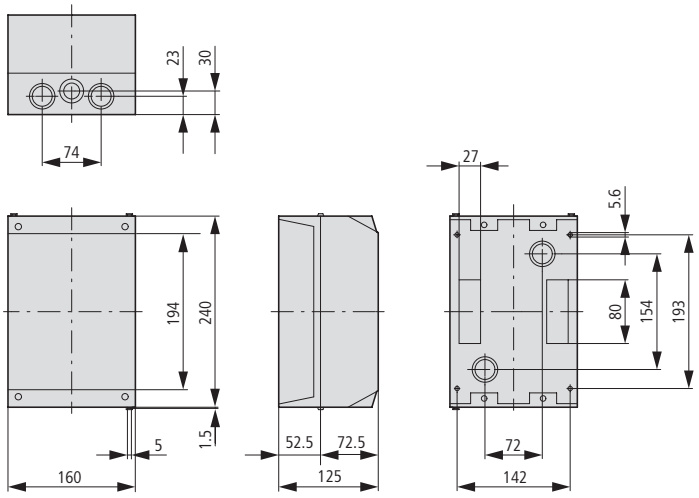
CI-K3 - mm

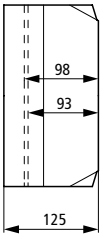




Mounting depth

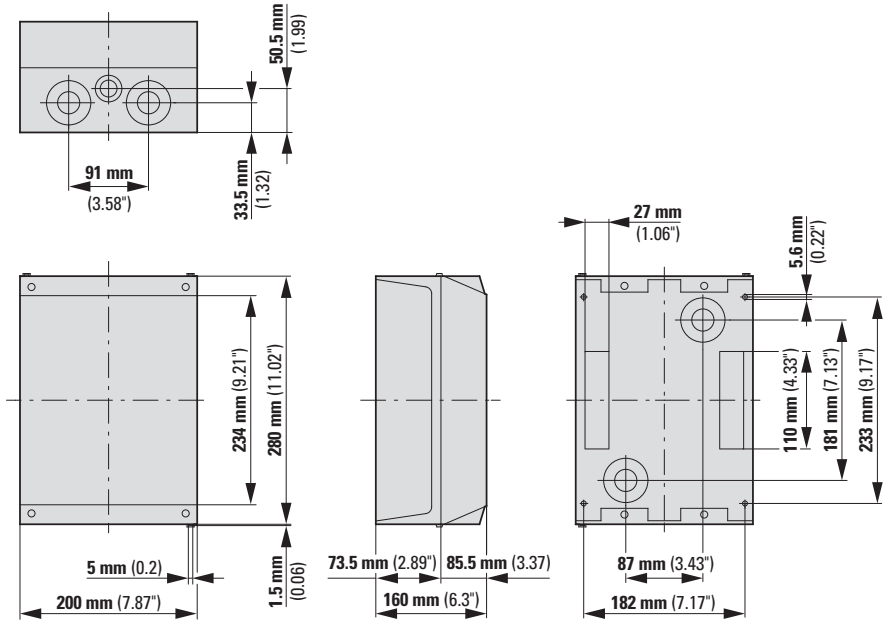
CI-K4 - mm

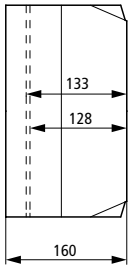




Mounting depth

CI-K5 - mm





Mounting depth

Index

+EZ/S-A . . . 67
+EZ/S-B . . . 67
+EZ/S-D . . . 67
+EZ/S-E . . . 67
+EZ/S-F . . . 67
+EZ/S-G . . . 67
+EZ/S-H . . . 67
+EZ/S-J . . . 67
+EZ/S-N . . . 67
+EZ/S-R . . . 67
+I1H . . . 147, 160
+I2H . . . 147, 160
+IVS/S-A . . . 111
+IVS/S-B . . . 111
+IVS/S-E . . . 111
+IVS/S-F . . . 111
+IVS/S-G . . . 111
+IVS/S-R . . . 111
+ZAV(X1)+ZVV(X1)-T0/P3 . . . 92
5B-2-8221/E . . . 33
-6-8282/IVS . . . 108
000649 . . . 92
000650 . . . 92
000651 . . . 46, 156
000652 . . . 91, 111, 148, 156
000687 . . . 60
000691 . . . 58
000692 . . . 54
000693 . . . 50
000694 . . . 60
000695 . . . 60
000698 . . . 63
000699 . . . 56
000700 . . . 66
000701 . . . 66
000721 . . . 61
000797 . . . 60
000893 . . . 38
000900 . . . 60
000902 . . . 105
000942 . . . 85
000956 . . . 59
000959 . . . 59
001025 . . . 55
001069 . . . 55
002388 . . . 24
002513 . . . 31
002538 . . . 37
003072 . . . 53
003075 . . . 53
003079 . . . 53
003080 . . . 53
003191 . . . 35
003192 . . . 58
003195 . . . 103
003196 . . . 83
003197 . . . 24
003198 . . . 152
004506 . . . 55
004882 . . . 73
004886 . . . 81
004911 . . . 85
005743 . . . 24
007189 . . . 24
007255 . . . 74
008267 . . . 27
008268 . . . 26
008272 . . . 73
008964 . . . 27
008965 . . . 26
008967 . . . 73
009046 . . . 24
009474 . . . 24
009632 . . . 32
009657 . . . 40
009741 . . . 42
010366 . . . 85
010371 . . . 31
010372 . . . 55
010378 . . . 89
010380 . . . 82
010381 . . . 83
010382 . . . 23
010398 . . . 27
010402 . . . 97
010405 . . . 25
010807 . . . 30
011082 . . . 24
012002 . . . 29
012030 . . . 87
012742 . . . 31
012747 . . . 60
012749 . . . 108
012750 . . . 44
012752 . . . 100
012753 . . . 82
012755 . . . 51
012759 . . . 106
012771 . . . 26
012772 . . . 28
012778 . . . 52
013140 . . . 99
013180 . . . 30
013971 . . . 44
013972 . . . 65
013974 . . . 109
013976 . . . 89
014000 . . . 20
014002 . . . 50
014006 . . . 97
014007 . . . 74
014009 . . . 70
014374 . . . 27
014375 . . . 28
014377 . . . 25
014933 . . . 22
014971 . . . 71
015073 . . . 50
015096 . . . 50
015112 . . . 37
015118 . . . 55, 65
015122 . . . 88
015123 . . . 65
015124 . . . 44
015125 . . . 81
015127 . . . 35
015130 . . . 22
015132 . . . 86
015137 . . . 54
015144 . . . 74
015145 . . . 76
015147 . . . 97
015148 . . . 70
015166 . . . 54
015197 . . . 54
015226 . . . 63
015256 . . . 63
015506 . . . 63
015537 . . . 63
015554 . . . 37
015565 . . . 63
015571 . . . 29
015592 . . . 66
015600 . . . 28
015630 . . . 66
015634 . . . 76
015661 . . . 66
015664 . . . 75
015690 . . . 51
016318 . . . 24
016619 . . . 25
016658 . . . 52
016722 . . . 99
016747 . . . 26
016748 . . . 76
016751 . . . 32
016776 . . . 38
016786 . . . 51
016878 . . . 58
016925 . . . 58
017025 . . . 24
017253 . . . 158
017497 . . . 65
017500 . . . 58
017501 . . . 98
017503 . . . 51
017517 . . . 73
017518 . . . 75
017524 . . . 99
017926 . . . 30
018053 . . . 58
019120 . . . 74
019121 . . . 75
019149 . . . 85
019626 . . . 158
019862 . . . 81
019863 . . . 32
019864 . . . 55
019869 . . . 109
019871 . . . 31
019872 . . . 35
019875 . . . 22
019878 . . . 39
019890 . . . 27
019891 . . . 29
019892 . . . 29
019894 . . . 20
019924 . . . 153
019925 . . . 158
020299 . . . 30
020300 . . . 34
020593 . . . 20
020595 . . . 50
020598 . . . 74
020600 . . . 70
021493 . . . 73
021999 . . . 158
022234 . . . 31
022236 . . . 32
022242 . . . 89
022243 . . . 109
022244 . . . 53
022245 . . . 58
022246 . . . 103
022248 . . . 51
022249 . . . 98
022251 . . . 62
022263 . . . 26
022264 . . . 28
022265 . . . 28
022267 . . . 97
022270 . . . 72
022297 . . . 153
022298 . . . 92
022330 . . . 73
022632 . . . 99
023869 . . . 25
023870 . . . 32
024604 . . . 40
024609 . . . 32
024610 . . . 55
024616 . . . 89
024619 . . . 83
024620 . . . 23
024622 . . . 71
024636 . . . 74
024637 . . . 76
024638 . . . 76
024639 . . . 20
024670 . . . 153
024671 . . . 92
025045 . . . 35
025046 . . . 34
026861 . . . 20
026985 . . . 104
026988 . . . 44
026990 . . . 100
026991 . . . 103
026993 . . . 51
026994 . . . 98
026997 . . . 106
027009 . . . 73
027010 . . . 75
027011 . . . 75
027012 . . . 50
027013 . . . 70
027043 . . . 153
027044 . . . 92
027076 . . . 108
027418 . . . 35
028641 . . . 36
029353 . . . 31
029354 . . . 81
029356 . . . 55
029358 . . . 104
029361 . . . 65
029363 . . . 81
029364 . . . 83
029365 . . . 45
029367 . . . 71
029368 . . . 34
029370 . . . 86
029382 . . . 27
029383 . . . 29
029387 . . . 25
029416 . . . 153
029417 . . . 92
029452 . . . 106
029791 . . . 35
030170 . . . 153
030988 . . . 72
030992 . . . 37
031014 . . . 84
031475 . . . 152
031607 . . . 27
031726 . . . 31
031728 . . . 33, 44
031731 . . . 104
031738 . . . 57
031739 . . . 98
031741 . . . 56
031755 . . . 26
031756 . . . 28
031758 . . . 97
031759 . . . 20
031760 . . . 52
031789 . . . 153
032164 . . . 32
034102 . . . 55
034105 . . . 43
034106 . . . 43
034107 . . . 109
034109 . . . 31
034110 . . . 35
034113 . . . 22
034116 . . . 39
034128 . . . 74
034129 . . . 76
034132 . . . 97
034537 . . . 32

035739 . . . 85
035760 . . . 36
036473 . . . 81
036477 . . . 105
036479 . . . 64
036480 . . . 89
036482 . . . 53
036483 . . . 58
036484 . . . 110
036486 . . . 51
036487 . . . 102
036501 . . . 73
036502 . . . 75
036504 . . . 70
036506 . . . 99
038133 . . . 84
038724 . . . 20
038847 . . . 33
038849 . . . 36
038854 . . . 21
038861 . . . 39
038873 . . . 27
038875 . . . 29
038878 . . . 70
038909 . . . 150
039283 . . . 41
039298 . . . 41
040478 . . . 29
041097 . . . 27
041099 . . . 97
041222 . . . 36
041225 . . . 108
041226 . . . 44
041227 . . . 50
041228 . . . 100
041229 . . . 103
041234 . . . 62
041246 . . . 26
041248 . . . 28
041250 . . . 50
041252 . . . 72
041282 . . . 150
041656 . . . 41
041671 . . . 41
042851 . . . 28
042879 . . . 36
043592 . . . 81
043594 . . . 100
043595 . . . 36
043596 . . . 84
043597 . . . 64
043598 . . . 88
043599 . . . 65
043601 . . . 81
043602 . . . 83
043605 . . . 71
043619 . . . 74
043621 . . . 76
043624 . . . 20
043655 . . . 150
044029 . . . 41
044973 . . . 24
044974 . . . 24
044975 . . . 24
044977 . . . 23
045062 . . . 158
045063 . . . 158
045064 . . . 150
045065 . . . 150
045224 . . . 76
045225 . . . 20
045227 . . . 33
045252 . . . 84
045458 . . . 67
045459 . . . 67
045461 . . . 67
045462 . . . 67
045463 . . . 67
045464 . . . 67
045465 . . . 67
045466 . . . 67
045468 . . . 67
045471 . . . 67
045479 . . . 57
045483 . . . 63
045486 . . . 50
045487 . . . 57
045490 . . . 58
045491 . . . 54
045493 . . . 54
045495 . . . 63
045496 . . . 63
045845 . . . 99
045847 . . . 54
045967 . . . 100
045973 . . . 97
045992 . . . 73
045994 . . . 75
045997 . . . 50
046028 . . . 150
046119 . . . 54
046120 . . . 63
046123 . . . 66
046124 . . . 66
046125 . . . 63
046126 . . . 54
046127 . . . 66
046128 . . . 66
046402 . . . 41
046991 . . . 67
046992 . . . 67
046995 . . . 67
046996 . . . 67
046997 . . . 67
047004 . . . 67
047422 . . . 153
047423 . . . 153
047424 . . . 153
047600 . . . 82
048218 . . . 74
048289 . . . 158
048334 . . . 60
048337 . . . 53
048339 . . . 33, 44
048340 . . . 100
048342 . . . 84
048344 . . . 43
048345 . . . 109
048346 . . . 70
048348 . . . 35
048351 . . . 22
048353 . . . 86
048365 . . . 26
048367 . . . 29
048369 . . . 50
050591 . . . 70
050712 . . . 33
050713 . . . 100
050716 . . . 43
050717 . . . 64
050718 . . . 89
050720 . . . 82
050721 . . . 58
050724 . . . 51
050738 . . . 73
050740 . . . 28
050743 . . . 97
050965 . . . 22
050966 . . . 23
050967 . . . 24
050969 . . . 71
050970 . . . 22
050971 . . . 24
050974 . . . 154
050975 . . . 155
050976 . . . 22
050977 . . . 23
050978 . . . 71
050987 . . . 155
052344 . . . 70
052346 . . . 33
052962 . . . 97
052999 . . . 149
053079 . . . 37
053080 . . . 61
053083 . . . 53
053088 . . . 84
053089 . . . 64
053092 . . . 21
053099 . . . 39
053110 . . . 27
053111 . . . 26
053113 . . . 76
053521 . . . 41
054716 . . . 29
054718 . . . 31
054744 . . . 38
055335 . . . 74
055452 . . . 60
055459 . . . 101, 109
055460 . . . 38
055463 . . . 108
055465 . . . 50
055466 . . . 82
055467 . . . 103
055472 . . . 62
055483 . . . 26
055484 . . . 73
055486 . . . 75
055489 . . . 70
055894 . . . 41
057089 . . . 28
057091 . . . 81
057092 . . . 82
057117 . . . 85
057708 . . . 70
057829 . . . 53
057832 . . . 101
057835 . . . 108
057836 . . . 88
057840 . . . 83
057856 . . . 74
057857 . . . 26
057859 . . . 29
057892 . . . 149
058267 . . . 42
059462 . . . 76
059465 . . . 33
060198 . . . 105
060204 . . . 33
060205 . . . 101, 109
060208 . . . 88
060211 . . . 97
060218 . . . 106
060229 . . . 73
060230 . . . 73
060232 . . . 28
060265 . . . 149
060640 . . . 42
061835 . . . 75
061837 . . . 31
061838 . . . 82
062432 . . . 46, 156
062491 . . . 149
062571 . . . 85
062572 . . . 105
062575 . . . 53
062577 . . . 33
062578 . . . 101
062581 . . . 88
062582 . . . 43
062584 . . . 70
062586 . . . 35
062591 . . . 86
062603 . . . 26
062605 . . . 76
062638 . . . 150
063013 . . . 42
064208 . . . 20
064210 . . . 81
064805 . . . 91, 111, 156
064945 . . . 107
064950 . . . 33
064951 . . . 101
064955 . . . 64
064976 . . . 73
064978 . . . 75
065011 . . . 150
065386 . . . 42
065739 . . . 153
065751 . . . 153
065752 . . . 153
066576 . . . 27
066581 . . . 50
066584 . . . 33
066931 . . . 35
067201 . . . 20
067324 . . . 101
067326 . . . 85
067327 . . . 43
067330 . . . 21
067337 . . . 39
067351 . . . 29
067352 . . . 20
067759 . . . 42
068949 . . . 26
068956 . . . 31
068957 . . . 82
069150 . . . 41
069304 . . . 58
069697 . . . 101
069700 . . . 64
069701 . . . 108
069703 . . . 50
069705 . . . 103
069710 . . . 62
069724 . . . 28
069725 . . . 50
070131 . . . 20
070132 . . . 42
070194 . . . 28
071326 . . . 27
071327 . . . 70
071329 . . . 81
072069 . . . 53
072074 . . . 88
072078 . . . 83
072079 . . . 45
072082 . . . 45
072097 . . . 76
072504 . . . 20
072505 . . . 42
072567 . . . 29
073695 . . . 37
073699 . . . 26
073703 . . . 33

074320 27
074437 85
074440 100
074446 108
074449 97
074450 82
074452 57
074455 67
074456 106
074470 75
074471 97
074877 20
074878 42
076072 74
076073 20
076075 31
076423 103
076813 100
076815 53
076819 88
076822 70
076824 35
076829 86
076843 29
076844 70
076845 20
077250 20
077251 42
078445 73
078446 50
078448 81
078796 83
079065 20
079186 100
079197 58
079198 110
079201 110
079216 28
079218 50
079583 99
079623 20
079624 42
080822 33
081438 27
081439 97
081559 100
081561 53
081565 43
081571 90
081572 23
081587 27
081588 29
081589 76
081622 47
081956 99
081996 30
081997 42
083192 70
083195 82
083929 87
083936 59
083938 64
083941 50
083943 103
083945 51
083960 26
083961 28
083962 75
083964 97
084329 99
084369 30
086185 99
086307 53
086312 . . . . . 82, 89
086315 82
086316 83
086317 23
086333 74
086334 76
086709 154
086742 30
088558 74
088682 59
088684 108
088685 44
088686 82
088687 97
088690 51
088706 73
088707 75
088709 20
088710 70
089082 155
089115 30
090931 70
091047 37
091057 88
091058 65
091059 44
091060 70
091062 35
091078 27
091079 27
091080 29
091082 50
091114 111
091455 47
091488 30
092025 84
092028 36
092029 84
092032 36
092049 87
092052 40
092055 73
092056 74
092061 26
092062 27
092064 20
092081 81
092084 31
092105 82
092108 33
092109 81
092112 31
092288 36
092293 85
092296 37
092297 70
092299 73
092300 74
092307 26
092308 27
092310 20
092374 37
092375 82
092378 33
092383 81
092386 31
092918 37
093044 82
093047 33
093082 81
093094 31
093303 97
093420 60
093428 59
093432 65
093435 58
093436 98
093451 26
093452 26
093456 20
093487 157
093828 . . . . . 47, 158
093861 30
093972 157
094258 81
094261 31
094270 70
094273 74
094278 26
094279 27
094280 24
094281 20
094460 70
094462 73
094463 74
094468 26
094469 27
094470 24
094471 20
095060 85
095676 74
095799 . . . . . 55, 65
095803 43
095804 109
095806 31
095809 71
095813 39
095824 74
095825 74
095826 76
095828 70
095829 50
095958 73
095959 74
095960 26
095961 27
095984 81
095986 31
096012 81
096014 31
096234 30
096380 73
096381 74
096382 26
096383 27
096464 81
096466 31
097225 24
098049 70
098166 105
098176 64
098177 89
098178 109
098179 53
098181 103
098186 62
098198 73
098199 75
098607 30
098608 21
098807 26
098808 27
105225 153
105854 . . . . . 94, 160
105855 . . . . . 94, 160
105859 . . . . . 94, 160
105860 . . . . . 94, 160
105870 . . . . . 147, 160
105871 . . . . . 147, 160
118742 147
172767 80
172768 79
172769 80
172770 79
172771 78
172772 77
172773 78
172774 77
172775 80
172776 79
172777 80
172778 78
172779 77
172780 80
172781 79
172782 80
172783 79
172784 78
172785 77
172788 80
172807 79
172809 79
172810 78
172811 77
172812 78
172813 77
172814 80
172815 79
172816 80
172817 79
172818 78
172819 77
172822 80
172824 80
172825 79
172826 78
172827 77
172828 78
172829 77
172830 80
172831 79
172832 80
172833 79
172834 93
172835 93
172836 93
172837 93
172838 93
172839 93
172840 93
172841 93
172842 93
172843 93
172844 93
172845 93
172864 79
172865 78
172866 77
172867 78
172868 77
172869 80
172870 79
172871 80
172872 79
172873 78
172874 77
172875 78
172876 77
172877 78
172878 77
182413 125
182414 122
182415 131

182416 . . . 128
182417 . . . 125
182418 . . . 122
182419 . . . 131
182420 . . . 128
182421 . . . 125
182422 . . . 122
182423 . . . 131
182424 . . . 128
182425 . . . 125
182426 . . . 122
182427 . . . 125
182428 . . . 122
182429 . . . 131
182430 . . . 128
182431 . . . 131
182432 . . . 128
182433 . . . 131
182434 . . . 128
182435 . . . 131
182436 . . . 128
197344 . . . 115
197345 . . . 115
197346 . . . 126
197347 . . . 132
197348 . . . 126
197349 . . . 123
197350 . . . 129
197351 . . . 123
197352 . . . 115
197353 . . . 115
197354 . . . 126
197355 . . . 132
197356 . . . 126
197357 . . . 123
197358 . . . 129
197359 . . . 123
197360 . . . 115
197361 . . . 115
197362 . . . 126
197363 . . . 132
197364 . . . 126
197365 . . . 123
197366 . . . 129
197367 . . . 123
197368 . . . 115
197369 . . . 115
197370 . . . 126
197371 . . . 132
197372 . . . 126
197373 . . . 123
197374 . . . 129
197375 . . . 123
197376 . . . 115
197377 . . . 126
197378 . . . 123
197379 . . . 115
197380 . . . 126
197381 . . . 123
197383 . . . 115
197384 . . . 126
197385 . . . 123
197386 . . . 135
197387 . . . 135
197388 . . . 135
197389 . . . 135
197390 . . . 135
197391 . . . 135
197392 . . . 135
197393 . . . 136
197394 . . . 136
197395 . . . 136
197396 . . . 136
197408 . . . 115
197409 . . . 126
197410 . . . 123
197411 . . . 115
197412 . . . 126
197413 . . . 123
197420 . . . 115
197421 . . . 126
197422 . . . 123
197430 . . . 135
197431 . . . 135
197432 . . . 135
197440 . . . 120
197441 . . . 132
197443 . . . 120
197444 . . . 132
197445 . . . 129
197446 . . . 120
197447 . . . 132
197448 . . . 129
197449 . . . 120
197450 . . . 132
197451 . . . 129
197456 . . . 115
197457 . . . 126
197458 . . . 123
197459 . . . 115
197460 . . . 126
197461 . . . 123
197472 . . . 120
197473 . . . 132
197474 . . . 129
197475 . . . 120
197476 . . . 132
197477 . . . 129
199888 . . . 93
199889 . . . 20
199891 . . . 20
199894 . . . 27
199895 . . . 29
199896 . . . 27
199897 . . . 29
199898 . . . 26
199899 . . . 28
199900 . . . 26
199901 . . . 28
199902 . . . 24
199903 . . . 50
199904 . . . 50
199906 . . . 114
199908 . . . 114
199909 . . . 124
199910 . . . 130
199911 . . . 124
199912 . . . 121
199913 . . . 127
199914 . . . 121
199915 . . . 114
199916 . . . 119
199917 . . . 125
199918 . . . 131
199919 . . . 122
199920 . . . 128
199921 . . . 114
199922 . . . 124
199923 . . . 130
199924 . . . 124
199925 . . . 121
199926 . . . 127
199927 . . . 121
199930 . . . 118
199931 . . . 97
199933 . . . 97
199935 . . . 99
199936 . . . 78
199937 . . . 80
199938 . . . 78
199939 . . . 80
199940 . . . 77
199941 . . . 79
199942 . . . 77
199943 . . . 79
199944 . . . 115
199945 . . . 115
199946 . . . 126
199947 . . . 132
199948 . . . 126
199949 . . . 123
199950 . . . 129
199951 . . . 123
199952 . . . 74
199953 . . . 76
199955 . . . 74
199956 . . . 76
199958 . . . 73
199959 . . . 75
199961 . . . 73
199962 . . . 75
199964 . . . 70
199966 . . . 70
200127 . . . 75
200128 . . . 75
200184 . . . 158
200619 . . . 76
200620 . . . 76
201447 . . . 127
201448 . . . 130
201449 . . . 127
201450 . . . 130
205548 . . . 153
205565 . . . 153
206911 . . . 147
206914 . . . 147, 160
206916 . . . 147, 159
207061 . . . 114
207062 . . . 118
207063 . . . 116
207064 . . . 117
207065 . . . 117
207067 . . . 117
207068 . . . 117
207069 . . . 133
207070 . . . 138
207071 . . . 138
207072 . . . 138
207073 . . . 117
207074 . . . 114
207075 . . . 118
207076 . . . 133
207077 . . . 134
207078 . . . 134, 145
207079 . . . 145
207080 . . . 146
207081 . . . 114
207082 . . . 118
207083 . . . 116
207084 . . . 116
207085 . . . 118
207086 . . . 118
207087 . . . 117
207088 . . . 114
207089 . . . 114
207090 . . . 133
207091 . . . 138
207092 . . . 138
207093 . . . 117
207094 . . . 119
207095 . . . 138
207101 . . . 117
207102 . . . 133
207103 . . . 134
207104 . . . 134
207105 . . . 145
207106 . . . 145
207107 . . . 145
207108 . . . 145
207109 . . . 114
207110 . . . 118
207111 . . . 140
207112 . . . 146
207113 . . . 146
207114 . . . 133
207115 . . . 138
207116 . . . 138
207117 . . . 117
207118 . . . 119
207119 . . . 144
207120 . . . 144
207123 . . . 133
207124 . . . 134, 145
207125 . . . 140
207126 . . . 145
207127 . . . 145
207128 . . . 145
207129 . . . 145
207130 . . . 145
207131 . . . 114
207132 . . . 140
207133 . . . 139
207134 . . . 137
207135 . . . 119
207136 . . . 133
207137 . . . 134
207138 . . . 133
207139 . . . 114
207140 . . . 144
207141 . . . 139
207142 . . . 139
207143 . . . 124
207144 . . . 121
207145 . . . 124
207146 . . . 121
207147 . . . 124
207148 . . . 121
207149 . . . 130
207150 . . . 127
207151 . . . 124
207152 . . . 121
207153 . . . 130
207154 . . . 127
207157 . . . 130
207158 . . . 127
207159 . . . 124
207160 . . . 121
207161 . . . 130
207162 . . . 127
207163 . . . 124
207164 . . . 121
207165 . . . 114
207166 . . . 118
207167 . . . 114
207169 . . . 133
207178 . . . 133
207179 . . . 134
207180 . . . 134
207181 . . . 140
207182 . . . 119
207183 . . . 133
207184 . . . 134
207185 . . . 134
207186 . . . 140
207187 . . . 114
207188 . . . 140

207189 139
207190 119
207191 133
207192 134
207193 133
207194 114
207195 144
207196 139
207197 139
207198 124
207199 121
207200 124
207201 121
207202 130
207203 127
207206 130
207207 127
207208 124
207209 121
207210 130
207211 127
207212 124
207213 121
207214 133
207215 114
207218 114
207220 133
207221 134
207222 140
207223 133
207224 134
207225 140
207226 114
207227 140
207228 139
207229 119
207230 133
207231 134
207232 133
207233 114
207234 144
207235 139
207236 139
207237 133
207238 124
207239 121
207240 124
207241 121
207242 124
207243 121
207244 130
207245 127
207246 130
207247 127
207248 124
207249 121
207250 142
207251 141
207254 142
207255 141
207258 142
207259 141
207266 133
207269 119
207270 133
207273 124
207277 130
207278 127
207279 124
207280 121
207281 130
207282 127
207283 124
207284 121
207285 142
207286 141
207289 142
207290 141
207293 124
207294 121
207295 127
207296 121
207297 130
207298 124
207299 114
207300 118
207303 114
207304 116
207305 116
207306 118
207307 118
207309 141
207310 142
207311 141
207312 142
207313 . . . . . 141, 142
207314 124
207315 121
207316 127
207317 121
207318 130
207319 124
207320 114
207321 118
207324 114
207325 116
207326 116
207328 118
207329 142
207330 141
207331 142
207332 141
207333 142
207334 141
207343 124
207344 121
207345 127
207346 121
207347 127
207348 130
207349 124
207350 130
207356 114
207357 118
207360 114
207361 142
207362 141
207363 142
207364 141
207365 142
207366 141
207373 124
207374 121
207375 127
207376 121
207377 127
207378 130
207379 124
207380 130
207381 114
207382 118
207385 114
207386 142
207387 141
207388 142
207389 141
207390 142
207391 141
207398 20
207399 24
207400 27
207401 26
207402 50
207403 97
207404 99
207405 74
207406 73
207407 70
207408 29
207409 28
207412 25
207413 29
207414 28
207415 76
207416 75
207417 72
207418 31
207419 81
207420 29
207421 28
207422 76
207423 75
207424 25
207425 29
207426 28
207427 76
207428 75
207429 72
207430 31
207431 81
207432 133
207433 133
207434 134
207435 . . . . . 94, 160
207436 . . . . . 94, 160
207437 . . . . . 94, 160
207438 . . . . . 94, 160
207439 . . . . . 47, 160
207440 . . . . . 94, 160
207441 . . . . . 94, 160
207442 . . . . . 94, 160
207447 142
207448 141
207451 . . . . . 147, 159
207480 162
207481 162
207482 162
207483 162
207484 162
207485 162
207486 162
207487 162
207488 162
207489 162
207490 162
207491 162
207492 . . . . . 164, 165
207493 . . . . . 164, 165
207494 . . . . . 164, 165
207498 164
207499 164
207500 164
207510 166
207511 166
207512 166
207514 166
207515 166
207516 166
207518 166
207519 166
207520 166
207521 166
207522 166
207523 166
207524 168
207525 168
207526 168
207527 168
207529 168
207530 168
207531 168
207532 168
207533 168
207534 168
207535 168
207536 134
207537 140
207603 147
208261 170
208262 170
208263 170
208264 170
208265 170
208266 170
208267 170
208268 170
208269 170
208270 170
208271 170
208272 170
208273 170
208274 170
208275 170
208276 170
214781 31
214782 31
214785 38
214786 85
214788 38
215222 31
215223 53
215224 133
215225 81
218488 . . . . . 147, 159
218971 138
218984 145
218987 130
218988 127
225325 . . . . . 94, 160
225342 103
225346 170
225347 170
225348 170
225349 170
226898 114
226899 119
226900 124
226901 114
226902 . . . . . 127, 130
227860 124
227861 121
227862 127
227863 121
227866 114
227867 119
227868 124
227869 . . . . . 114, 121
227870 130
227871 124
227872 121
227873 127
227874 121
228291 24
231893 152
231895 152
231932 29

231933 . . . 28
231934 . . . 130
231935 . . . 127
231938 . . . 25
231939 . . . 52
231940 . . . 99
231941 . . . 119
231945 . . . 29
231946 . . . 28
231949 . . . 25
231950 . . . 52
231951 . . . 119
231952 . . . 72
231957 . . . 154
231959 . . . 154
231965 . . . 154
231967 . . . 154
231971 . . . 154
231972 . . . 155
231973 . . . 155
232034 . . . 111
232036 . . . 111
232038 . . . 111
232040 . . . 111
232042 . . . 111
232043 . . . 111
237892 . . . 27
237893 . . . 26
237894 . . . 74
237895 . . . 73
254546 . . . 92
256151 . . . 155
266905 . . . 152
266906 . . . 152
269462 . . . 94, 160
280935 . . . 20
280936 . . . 27
280937 . . . 29
280938 . . . 27
280939 . . . 26
280940 . . . 28
280941 . . . 26
280942 . . . 74
280943 . . . 76
280944 . . . 74
280945 . . . 73
280946 . . . 75
280947 . . . 73
280948 . . . 70
280949 . . . 20
280950 . . . 27
280951 . . . 29
280952 . . . 27
280953 . . . 26
280954 . . . 28
280955 . . . 26
280956 . . . 74
280957 . . . 76
280958 . . . 74
280959 . . . 73
280960 . . . 75
280961 . . . 73
280962 . . . 70
280965 . . . 46, 157
280966 . . . 92, 157
280971 . . . 46, 156
280972 . . . 91, 156
280975 . . . 46, 156
280976 . . . 91, 156
280978 . . . 159
280979 . . . 92
290191 . . . 147
293978 . . . 158
400000 . . . 37
400001 . . . 37
400002 . . . 37
400136 . . . 156
907745 . . . 154
907748 . . . 155
907749 . . . 170
907750 . . . 170
907751 . . . 170
907752 . . . 170
907753 . . . 170
907754 . . . 170
907755 . . . 170
907756 . . . 170
907757 . . . 170
907758 . . . 170
907759 . . . 170
907760 . . . 170
907761 . . . 170
907762 . . . 170
907763 . . . 170
907764 . . . 170
907765 . . . 162
907766 . . . 162
907767 . . . 162
907768 . . . 162
907769 . . . 163
907770 . . . 163
907771 . . . 163
907772 . . . 163
907773 . . . 163
907774 . . . 163
907775 . . . 163
907776 . . . 162
907777 . . . 162
907778 . . . 162
907779 . . . 162
907787 . . . 162
907788 . . . 162
907789 . . . 162
907790 . . . 162
907791 . . . 163
907792 . . . 163
907793 . . . 163
907794 . . . 163
907795 . . . 163
907796 . . . 163
907797 . . . 163
907806 . . . 162
907807 . . . 162
907808 . . . 162
907809 . . . 162
907810 . . . 163
907811 . . . 163
907812 . . . 163
907813 . . . 163
907814 . . . 163
907815 . . . 163
907816 . . . 163
907817 . . . 162
907818 . . . 162
907819 . . . 162
907820 . . . 162
907839 . . . 162
907840 . . . 162
907841 . . . 162
907842 . . . 162
907843 . . . 163
907844 . . . 163
907845 . . . 163
907846 . . . 163
907847 . . . 163
907848 . . . 163
907849 . . . 163
907850 . . . 164, 165
907852 . . . 164
907855 . . . 165
907856 . . . 165
907857 . . . 165
907858 . . . 165
907859 . . . 165
907860 . . . 165
907861 . . . 164, 165
907863 . . . 164
907866 . . . 165
907872 . . . 164, 165
907874 . . . 164
907877 . . . 165
907878 . . . 165
907879 . . . 165
907880 . . . 165
907881 . . . 165
907882 . . . 165
907891 . . . 164, 165
907893 . . . 164
907896 . . . 165
907913 . . . 164, 165
907915 . . . 164
907918 . . . 165
907919 . . . 165
907920 . . . 165
907921 . . . 165
907922 . . . 165
907923 . . . 165
907924 . . . 166
907925 . . . 166
907926 . . . 166
907927 . . . 166
907928 . . . 167
907929 . . . 167
907930 . . . 167
907931 . . . 167
907932 . . . 167
907933 . . . 167
907934 . . . 166
907935 . . . 166
907936 . . . 166
907937 . . . 166
907938 . . . 167
907939 . . . 167
907940 . . . 167
907941 . . . 167
907950 . . . 166
907951 . . . 166
907952 . . . 166
907953 . . . 166
907954 . . . 167
907955 . . . 167
907956 . . . 167
907957 . . . 167
907968 . . . 166
907969 . . . 166
907970 . . . 166
907971 . . . 166
907972 . . . 167
907973 . . . 167
907974 . . . 167
907975 . . . 167
907976 . . . 167
907977 . . . 167
907978 . . . 168
907979 . . . 168
907980 . . . 168
907981 . . . 168
907982 . . . 169
907983 . . . 169
907984 . . . 169
907985 . . . 169
907986 . . . 169
907987 . . . 169
907988 . . . 168
907989 . . . 168
907990 . . . 168
908003 . . . 168
908004 . . . 168
908005 . . . 168
908007 . . . 169
908008 . . . 169
908009 . . . 169
908010 . . . 169
908021 . . . 168
908022 . . . 168
908023 . . . 168
908025 . . . 169
908026 . . . 169
908027 . . . 169
908028 . . . 169
908029 . . . 169
908030 . . . 169
908031 . . . 168
908043 . . . 162
908044 . . . 162
908045 . . . 162
908046 . . . 162
908054 . . . 162
908055 . . . 162
908056 . . . 162
908057 . . . 162
908080 . . . 164, 165
908082 . . . 164
908085 . . . 165
908091 . . . 164, 165
908093 . . . 164
908096 . . . 165
908106 . . . 166
908107 . . . 166
908108 . . . 166
908109 . . . 166
908110 . . . 167
908111 . . . 167
908112 . . . 167
908113 . . . 167
908114 . . . 166
908115 . . . 166
908116 . . . 166
908117 . . . 166
908118 . . . 167
908119 . . . 167
908120 . . . 167
908121 . . . 167
908126 . . . 168
908127 . . . 168
908128 . . . 168
908129 . . . 168
908130 . . . 169
908131 . . . 169
908132 . . . 169
908133 . . . 169
908134 . . . 168
908135 . . . 168
908136 . . . 168
908137 . . . 168
908138 . . . 169
908139 . . . 169
908140 . . . 169
908141 . . . 169
908991 . . . 169
908992 . . . 169
908993 . . . 169
908994 . . . 169
1059793 . . . 93
1059799A . . . 93
1818029 . . . 93

1818030 93
1818031 93
1818032 93
1818033 93
1818034 93
1818038 93
1818039 93
1818040 93
AB-CI-K4/5. . . . . 147, 160
BS45X14-T0 153
BS84X24-P3 153
CI-K1H-T0-2 . . . . . 94, 160
CI-K1H-T0-4 . . . . . 94, 160
CI-K1-T0-2 . . . . . 94, 160
CI-K1-T0-4 . . . . . 94, 160
CI-K2H-T3-2 . . . . . 94, 160
CI-K2H-T3-4 . . . . . 94, 160
CI-K2H-T3-5 . . . . . 94, 160
CI-K2-T3-2 . . . . . 94, 160
CI-K2-T3-4 . . . . . 94, 160
CI-K2-T3-5 . . . . . 94, 160
CI-K4-T5B-2 . . . . . 47, 160
CI-K4-T5B-4 . . . . . 94, 160
CI-K5-T5-2 . . . . . 94, 160
CI-K5-T5-4 . . . . . 94, 160
DE-P3. 157
DE-T0. 157
EP-400892 . . . . 91, 111, 148, 157
EP-400893 . . . . . 46, 157
EP-400919 20
EP-400921 20
EP-400924 27
EP-400926 29
EP-400927 27
EP-400928 29
EP-400929 26
EP-400931 28
EP-400932 24
EP-400934 97
EP-400936 97
EP-400938 99
EP-400940 77
EP-400941 79
EP-400943 79
EP-400944 78
EP-400945 80
EP-400946 78
EP-400947 80
EP-400948 78
EP-400949 80
EP-400950 80
EP-400951 77
EP-400954 79
EP-400955 115
EP-400956 115
EP-400957 126
EP-400958 132
EP-400959 126
EP-400960 123
EP-400961 129
EP-400962 123
EP-400963 74
EP-400965 76
EP-400966 74
EP-400967 76
EP-400969 73
EP-400970 75
EP-400971 73
EP-400972 75
EP-400973 93
EP-400975 70
EP-400978 70
EP-400979 114
EP-400981 114
EP-400982 124
EP-400984 130
EP-400985 124
EP-400986 130
EP-400987 121
EP-400988 127
EP-400989 121
EP-400990 127
EP-400991 118
EP-400994 142
EP-400995 141
EP-400996 142
EP-400997 141
EP-400998 141
EP-401117 70
EP-401129 125
EP-401131 122
EP-401133 156
EP-401134 156
EP-401135 159
EP-401136 159
EP-401137 159
EP-401138 159
EP-401139 157
EP-401140 157
EP-401141 157
EP-401142 157
EP-401143 159
EP-401144 159
EP-401147 151
EP-401148 151
EP-401153 151
EP-401154 20
EP-401156 20
EP-401158 27
EP-401160 27
EP-401162 26
EP-401164 26
EP-401166 78
EP-401168 78
EP-401170 77
EP-401172 77
EP-401182 124
EP-401184 124
EP-401186 121
EP-401188 121
EP-401190 70
EP-401192 70
EP-401206 70
EP-401218 125
EP-401220 122
EP-401222 20
EP-401224 20
EP-401226 27
EP-401228 27
EP-401230 26
EP-401232 26
EP-401234 78
EP-401236 78
EP-401238 77
EP-401240 77
EP-401250 124
EP-401252 124
EP-401254 121
EP-401256 121
EP-401258 70
EP-401260 70
EP-401274 70
EP-401287 125
EP-401288 122
EP-401293 126
EP-401294 126
EP-401295 126
EP-401296 126
EP-401297 123
EP-401298 123
EP-401299 123
EP-401300 123
EP-401720 149
EP-401721 149
ES-KMS1-T0 155
ES-KMS(*)-T0 155
EZ-P1 47
EZ/S-A-TM 67
EZ/S-B-TM 67
EZ/S-E-TM 67
EZ/S-F-TM 67
EZ/S-G-TM. 67
EZ/S-R-TM 67
EZ-T0 47
FORKTERM-P1 156
FS908GE-P3 152
FS908GE-T0 152
FS-ALU980-P3 152
FS-ALU980-T0 152
FS(*)-P3 152
FS(*)-T0 152
H1-T5. 158
H3-T0. . . . . 47, 158
H111-P1/P3UZ 111
HI11-P1/P3UE 46
HI11-P1/P3UZ 91, 148
HI11-P4/E 157
HI11-P4/Z 157
HI11-PI/P3UE 157
HI11-PI/P3UZ 157
HI11P-P4/E 157
HI11P-P4/Z 157
HI21-P5-250/315E 46, 157
HI21-P5-250/315Z 92, 157
H-P1 158
H-P3 158
H-P5-250/315 158
H-P14. 158
HS-SA(*)-T0 155
H-T8 158
HZ-T5. 158
IVS-T0. 111
K1DB/P 93
K1DG/P 93
K1DR/P 93
K2SDB/C 93
K2SDB/P 93
K2SDG/C 93
K2SDG/P 93
K2SDR/C 93
K2SDR/P 93
K-CI-K1/2 . . . . . 147, 159
K-CI-K4 . . . . . 147, 159
K-CI-K5 . . . . . 147, 159
KNB-P1/M 93
KNB-P3 150
KNB-P3/M 93
KNB-RT-P3. 150
KNB-RT-T0. 150
KNB-T0 150
KNK-P3 92
KNK-T0 92
KT-M25 147
MBS-I2 147
MBS-I4 147
N-P1E. 46, 156
N-P1Z. 91, 111, 148, 156
N-P3E. 46, 156
N-P3Z. 91, 111, 156
N-P4E. 156
N-P4Z. 156
N-P5-250/315E. 46, 156
N-P5-250/315Z. 91, 156
P1-25/E 20
P1-25/EA/SVB 27
P1-25/EA/SVB/HI11 29
P1-25/EA/SVB/N 27
P1-25/EA/SVB/N/HI11 29
P1-25/EA/SVB-SW 26
P1-25/EA/SVB-SW/HI11 28
P1-25/EA/SVB-SW/N 26
P1-25/EA/SVB-SW/N/HI11 . . . 28
P1-25/E/N 20
P1-25/E-RT 24
P1-25/E/SA(S) 23
P1-25/E/SVA(A). 22
P1-25/E/SVA(S)-RT 24
P1-25/E/SVC(S)-RT 24
P1-25/EZ 50
P1-25/EZ/N 50
P1-25/I2. 114
P1-25/I2H 114
P1-25-I2H/HI11 119
P1-25/I2H/MBS/SVB 125
P1-25/I2H/MBS/SVB/HI11 . . . 131
P1-25/I2H/MBS/SVB-SW 122
P1-25/I2H/MBS/SVB-SW/HI11 . 128
P1-25/I2H/N 114
P1-25/I2H/SVB 124
P1-25/I2H/SVB/HI11 . . . 127, 130
P1-25/I2H/SVB/N 124
P1-25/I2H/SVB-SW 121
P1-25/I2H/SVB-SW/HI11 . . . 127
P1-25/I2H/SVB-SW/N 121
P1-25/I2/N. 114
P1-25/I2-RT 118
P1-25/I2-SI 142
P1-25/I2-SI/HI11 142
P1-25/I2-SI/HI11-SW 141
P1-25/I2-SI/N 142
P1-25/I2-SI/N-SW 141
P1-25/I2-SI-SW 141
P1-25/I2/SVA(A) 116
P1-25/I2/SVA(S) 116
P1-25/I2/SVA(S)-RT 118
P1-25/I2/SVB. 124
P1-25/I2/SVB/HI11 130
P1-25/I2/SVB/N 124
P1-25/I2/SVB-SW 121
P1-25/I2/SVB-SW/HI11 127
P1-25/I2/SVB-SW/N 121
P1-25/I2/SVC(S)-RT 118
P1-25/IVS 97
P1-25/IVS/N 97
P1-25/IVS-RT. 99
P1-25/M4/K1-PG 77
P1-25/M4/K1-PG/HI11 79
P1-25/M4/K1-PG/N 77
P1-25/M4/K1-PG/N/HI11 . . . 79
P1-25/M4/K1-PR 78
P1-25/M4/K1-PR/HI11. 80
P1-25/M4/K1-PR/N 78
P1-25/M4/K1-PR/N/HI11. . . . 80
P1-25/M4/SVB 78
P1-25/M4/SVB/HI11 80
P1-25/M4/SVB/N 78
P1-25/M4/SVB/N/HI11 80
P1-25/M4/SVB-SW 77
P1-25/M4/SVB-SW/HI11 79
P1-25/M4/SVB-SW/N 77
P1-25/M4/SVB-SW/N/HI11 . . . 79
P1-25/SE1 115
P1-25/SE1/N. 115
P1-25/SE1/SVB. 126
P1-25/SE1/SVB/HI11 132
P1-25/SE1/SVB/N. 126

P1-25/SE1/SVB-SW 123
P1-25/SE1/SVB-SW/HI11. . . . 129
P1-25/SE1/SVB-SW/N 123
P1-25/V/SVB 74
P1-25/V/SVB/HI11 76
P1-25/V/SVB/N. 74
P1-25/V/SVB/N/HI11 76
P1-25/V/SVB-SW 73
P1-25/V/SVB-SW/HI11. 75
P1-25/V/SVB-SW/N 73
P1-25/V/SVB-SW/N/HI11. . . . 75
P1-25/XM 93
P1-25/Z 70
P1-25/Z/N 70
P1-25/Z/SVA(A). 71
P1-32/E 20
P1-32/EA/SVB 27
P1-32/EA/SVB/HI11 29
P1-32/EA/SVB/N 27
P1-32/EA/SVB/N/HI11 29
P1-32/EA/SVB-SW 26
P1-32/EA/SVB-SW/HI11 28
P1-32/EA/SVB-SW/N 26
P1-32/EA/SVB-SW/N/HI11 . . . 28
P1-32/E/N 20
P1-32/E-RT 24
P1-32/E/SA(S) 23
P1-32/E/SVA(A). 22
P1-32/E/SVA(S)-RT 24
P1-32/E/SVC(S)-RT 24
P1-32/EZ 50
P1-32/EZ/N 50
P1-32/I2. 114
P1-32/I2H 114
P1-32-I2H/HI11 119
P1-32/I2H/MBS/SVB 125
P1-32/I2H/MBS/SVB/HI11 . . . 131
P1-32/I2H/MBS/SVB-SW. . . . 122
P1-32/I2H/MBS/SVB-SWHI11. . 128
P1-32/I2H/N 114, 121
P1-32/I2H/SVB 124
P1-32/I2H/SVB/HI11 130
P1-32/I2H/SVB/N 124
P1-32/I2H/SVB-SW 121
P1-32/I2H/SVB-SW/HI11. . . . 127
P1-32/I2H/SVB-SW/N 121
P1-32/I2/N. 114
P1-32/I2-RT 118
P1-32/I2-S 142
P1-32/I2-SI/HI11 142
P1-32/I2-SI/HI11-SW 141
P1-32/I2-SI/N 142
P1-32/I2-SI/N-SW. 141
P1-32/I2-SI-SW 141
P1-32/I2/SVA(A) 116
P1-32/I2/SVA(S) 116
P1-32/I2/SVB. 124
P1-32/I2/SVB/HI11 130
P1-32/I2/SVB/N 124
P1-32/I2/SVB-SW 121
P1-32/I2/SVB-SW/HI11 127
P1-32/I2/SVB-SW/N 121
P1-32/I2/SVC(S)-RT 118
P1-32/IVS 97
P1-32/IVS/N 97
P1-32/IVS-RT. 99
P1-32/M4/K1-PG 77
P1-32/M4/K1-PG/HI11 79
P1-32/M4/K1-PG/N 77
P1-32/M4/K1-PG/N/HI11 79
P1-32/M4/K1-PR 78
P1-32/M4/K1-PR/HI11. 80
P1-32/M4/K1-PR/N 78
P1-32/M4/K1-PR/N/HI11. . . . 80
P1-32/M4/SVB 78
P1-32/M4/SVB/HI11 80
P1-32/M4/SVB/N 78
P1-32/M4/SVB/N/HI11 80
P1-32/M4/SVB-SW 77
P1-32/M4/SVB-SW/HI11 79
P1-32/M4/SVB-SW/N 77
P1-32/M4/SVB-SW/N/HI11 . . . 79
P1-32/SE1 115
P1-32/SE1/N. 115
P1-32/SE1/SVB. 126
P1-32/SE1/SVB/HI11 132
P1-32/SE1/SVB/N. 126
P1-32/SE1/SVB-SW 123
P1-32/SE1/SVB-SW/HI11. . . . 129
P1-32/SE1/SVB-SW/N 123
P1-32/V/SVB 74
P1-32/V/SVB/HI11 76
P1-32/V/SVB/N. 74
P1-32/V/SVB/N/HI11 76
P1-32/V/SVB-SW 73
P1-32/V/SVB-SW/HI11. 75
P1-32/V/SVB-SW/N 73
P1-32/V/SVB-SW/N/HI11. . . . 75
P1-32/XM 93
P1-32/Z 70
P1-32/Z/N 70
P1-40/E 20
P1-40/EA/SVB 27
P1-40/EA/SVB/HI11 29
P1-40/EA/SVB/N 27
P1-40/EA/SVB/N/HI11 29
P1-40/EA/SVB-SW 26
P1-40/EA/SVB-SW/HI11 28
P1-40/EA/SVB-SW/N 26
P1-40/EA/SVB-SW/N/HI11 . . . 28
P1-40/E/N 20
P1-40/E-RT 24
P1-40/EZ 50
P1-40/EZ/N 50
P1-40/I2. 114
P1-40/I2H 114
P1-40-I2H/HI11 119
P1-40/I2H/MBS/SVB 125
P1-40/I2H/MBS/SVB/HI11 . . . 131
P1-40/I2H/MBS/SVB-SW 122
P1-40/I2H/MBS/SVB-SWHI11. . 128
P1-40/I2H/N 114
P1-40/I2H/SVB 124
P1-40/I2H/SVB/HI11 130
P1-40/I2H/SVB/N 124
P1-40/I2H/SVB-SW 121
P1-40/I2H/SVB-SW/HI11. . . . 127
P1-40/I2H/SVB-SW/N 121
P1-40/I2-RT 118
P1-40/I2/SVB. 124
P1-40/I2/SVB/HI11 130
P1-40/I2/SVB/N 124
P1-40/I2/SVB-SW 121
P1-40/I2/SVB-SW/HI11 127
P1-40/I2/SVB-SW/N 121
P1-40/IVS 97
P1-40/IVS/N 97
P1-40/IVS-RT. 99
P1-40/M4/SVB 78
P1-40/M4/SVB/HI11 80
P1-40/M4/SVB/N 78
P1-40/M4/SVB/N/HI11 80
P1-40/M4/SVB-SW 77
P1-40/M4/SVB-SW/HI11 79
P1-40/M4/SVB-SW/N 77
P1-40/M4/SVB-SW/N/HI11 . . . 79
P1-40/N. 114
P1-40/SE1 115
P1-40/SE1/N. 115
P1-40/SE1/SVB. 126
P1-40/SE1/SVB/HI11 132
P1-40//SE1/SVB/N 126
P1-40/SE1/SVB-SW 123
P1-40/SE1/SVB-SW/HI11. . . . 129
P1-40/SE1/SVB-SW/N 123
P1-40/V/SVB 74
P1-40/V/SVB/HI11 76
P1-40/V/SVB/N 74
P1-40/V/SVB/N/HI11 76
P1-40/V/SVB-SW 73
P1-40/V/SVB-SW/HI11. 75
P1-40/V/SVB-SW/N 73
P1-40/V/SVB-SW/N/HI11. . . . 75
P1-40/XM 93
P1-40/Z 70
P1-40/Z/N 70
P1/P3-M400 93
P1/P3-M600 93
P3-30/EA/SVB-MCS 27
P3-30/EA/SVB-SW-MCS 26
P3-30/V/SVB-MCS 74
P3-30/V/SVB-SW-MCS. 73
P3-63/E 20
P3-63/EA/SVB 27
P3-63/EA/SVB/HI11 29
P3-63/EA/SVB/N 27
P3-63/EA/SVB/N/HI11 29
P3-63/EA/SVB-SW 26
P3-63/EA/SVB-SW/HI11 28
P3-63/EA/SVB-SW/N 26
P3-63/EA/SVB-SW/N/HI11 . . . 28
P3-63/E/N 20
P3-63/E-RT 24
P3-63/I4. 114
P3-63/I4/MBS/SVB 125
P3-63/I4/MBS/SVB/HI11 131
P3-63/I4/MBS/SVB-SW 122
P3-63/I4/MBS/SVB-SW/HI11 . . 128
P3-63/I4/N. 114
P3-63/I4-RT 118
P3-63/I4-SI 142
P3-63/I4-SI/HI11 142
P3-63/I4-SI/HI11-SW 141
P3-63/I4-SI/N 142
P3-63/I4-SI/N-SW. 141
P3-63/I4-SI-SW 141
P3-63/I4/SVB. 124
P3-63/I4/SVB/HI11 130
P3-63/I4/SVB/N 124
P3-63/I4/SVB/N/HI11 130
P3-63/I4/SVB-SW 121
P3-63/I4/SVB-SW/HI11 127
P3-63/I4/SVB-SW/N. 121
P3-63/I4/SVB-SW/N/HI11 . . . 127
P3-63/IVS 97
P3-63/IVS/N 97
P3-63/IVS-RT. 99
P3-63/M4/K1-PG/N/HI11 79
P3-63/M4/K2-PG 77
P3-63/M4/K2-PG/N 77
P3-63/M4/K2-PR 78
P3-63/M4/K2-PR/HI11. 80
P3-63/M4/K2-PR/N 78
P3-63/M4/K2-PR/N/HI11. . . . 80
P3-63/M4/SVB 78
P3-63/M4/SVB/HI11 80
P3-63/M4/SVB/N/HI11 80
P3-63/M4/SVB-SW 77
P3-63/M4/SVB-SW/HI11 79
P3-63/M4/SVB-SW/N 77
P3-63/M4/SVB-SW/N/HI11 . . . 79
P3-63/SE1/SVB/HI11 132
P3-63/SE3 115
P3-63/SE3/N. 115
P3-63/SE3/SVB. 126
P3-63/SE3/SVB/N. 126
P3-63/SE3/SVB-SW 123
P3-63/SE3/SVB-SW/HI11. . . . 129
P3-63/SE3/SVB-SW/N 123
P3-63/V/SVB 74
P3-63/V/SVB/HI11 76
P3-63/V/SVB/N. 74
P3-63/V/SVB/N/HI11 76
P3-63/V/SVB-SW 73
P3-63/V/SVB-SW/HI11. 75
P3-63/V/SVB-SW/N 73
P3-63/V/SVB-SW/N/HI11. . . . 75
P3-63/XM 93
P3-63/Z 70
P3-63/Z/N 70
P3-80/E 20
P3-80/EA/SVB 27
P3-80/EA/SVB/HI11 29
P3-80/EA/SVB/N 27
P3-80/EA/SVB/N/HI11 29
P3-80/EA/SVB-SW 26
P3-80/EA/SVB-SW/N/HI11 . . . 28
P3-80/E/N 20
P3-80/E-RT 24
P3-80/I5. 114
P3-80/I5/N. 114
P3-80/I5-RT 118
P3-80/I5-SI 142
P3-80/I5-SI/HI11 142
P3-80/I5-SI/HI11-SW 141
P3-80/I5-SI/N 142
P3-80/I5-SI/N-SW. 141
P3-80/I5-SI-SW. 141
P3-80/I5/SVB. 124
P3-80/I5/SVB/HI11 130
P3-80/I5/SVB/N 124
P3-80/I5/SVB/N/HI11 130
P3-80/I5/SVB-SW 121
P3-80/I5/SVB-SW/HI11 127
P3-80/I5/SVB-SW/N. 121
P3-80/I5/SVB-SW/N/HI11 . . . 127
P3-80/IVS 97
P3-80/IVS/N 97
P3-80/IVS-RT. 99
P3-80/M4/K1-PG/N/HI11 79
P3-80/M4/K2-PG 77
P3-80/M4/K2-PG/N 77
P3-80/M4/K2-PR 78
P3-80/M4/K2-PR/HI11. 80
P3-80/M4/K2-PR/N 78
P3-80/M4/K2-PR/N/HI11. . . . 80
P3-80/M4/SVB 78
P3-80/M4/SVB/HI11 80
P3-80/M4/SVB/N/HI11 80
P3-80/M4/SVB-SW 77
P3-80/M4/SVB-SW/N/HI11. . . . 79
P3-80/SE1/SVB/HI11 132
P3-80/SE3 115
P3-80/SE3/N. 115
P3-80/SE3/SVB. 126
P3-80/SE3/SVB/N. 126
P3-80/SE3/SVB-SW 123
P3-80/SE3/SVB-SW/HI11. . . . 129
P3-80/SE3/SVB-SW/N 123
P3-80/V/SVB 74
P3-80/V/SVB/HI11 76
P3-80/V/SVB/N. 74
P3-80/V/SVB/N/HI11 76
P3-80/V/SVB-SW/HI11. 75
P3-80/V/SVB-SW/N 73
P3-80/V/SVB-SW/N/HI11. . . . 75
P3-80/XM 93
P3-80/Z 70

P3-80/Z/N 70
P3-100/E 20
P3-100/EA/SVB 27
P3-100/EA/SVB/HI11 29
P3-100/EA/SVB/N 27
P3-100/EA/SVB/N/HI11 29
P3-100/EA/SVB-SW 26
P3-100/EA/SVB-SW/HI11 28
P3-100/EA/SVB-SW/N 26
P3-100/EA/SVB-SW/N/HI11 28
P3-100/E/N 20
P3-100/E-RT 24
P3-100/I5 114
P3-100/I5/N 114
P3-100/I5-RT 118
P3-100/I5-SI 142
P3-100/I5-SI/HI11 142
P3-100/I5-SI/HI11-SW 141
P3-100/I5-SI/N 142
P3-100/I5-SI/N-SW 141
P3-100/I5-SI-SW 141
P3-100/I5/SVB 124
P3-100/I5/SVB/HI11 130
P3-100/I5/SVB/N 124
P3-100/I5/SVB/N/HI11 130
P3-100/I5/SVB-SW 121
P3-100/I5/SVB-SW/HI11 127
P3-100/I5/SVB-SW/N 121
P3-100/I5/SVB-SW/N/HI11 127
P3-100/IVS 97
P3-100/IVS/N 97
P3-100/IVS-RT 99
P3-100/M4/K1-PG/N/HI11 79
P3-100/M4/K2-PG 77
P3-100/M4/K2-PG/N 77
P3-100/M4/K2-PR 78
P3-100/M4/K2-PR/HI11 80
P3-100/M4/K2-PR/N 78
P3-100/M4/K2-PR/N/HI11 80
P3-100/M4/SVB 78
P3-100/M4/SVB/HI11 80
P3-100/M4/SVB/N/HI11 80
P3-100/M4/SVB-SW 77
P3-100/M4/SVB-SW/N/HI11 79
P3-100/SE1/SVB/HI11 132
P3-100/SE3 115
P3-100/SE3/N 115
P3-100/SE3/SVB 126
P3-100/SE3/SVB/N 126
P3-100/SE3/SVB-SW 123
P3-100/SE3/SVB-SW/HI11 129
P3-100/SE3/SVB-SW/N 123
P3-100/V/SVB 74
P3-100/V/SVB/HI11 76
P3-100/V/SVB/N 74
P3-100/V/SVB/N/HI11 76
P3-100/V/SVB-SW 73
P3-100/V/SVB-SW/HI11 75
P3-100/V/SVB-SW/N 73
P3-100/V/SVB-SW/N/HI11 75
P3-100/XM 93
P3-100/Z 70
P3-100/Z/N 70
P3-800/V/SVB-SW 73
P4-30/I43/CCP2-B/UL98 122
P4-30/I43/CCP2/UL98 125
P4-30/Z/UL98 70
P4-60/I43/CCP2-B/UL98 122
P4-60/I43/CCP2/UL98 125
P4-60/Z/UL98 70
P4-100/I43/CCP2-B/UL98 122
P4-100/I43/CCP2/UL98 125
P4-100/Z/UL98 70
P4-125/E 20
P4-125/EA/SVB 27
P4-125/EA/SVB/N 27
P4-125/EA/SVB-SW 26
P4-125/EA/SVB-SW/N 26
P4-125/E/N 20
P4-125/I5/SVB 124
P4-125/I5/SVB/N 124
P4-125/I5/SVB-SW 121
P4-125/I5/SVB-SW/N 121
P4-125/M4/SVB 78
P4-125/M4/SVB/N 78
P4-125/M4/SVB-SW 77
P4-125/M4/SVB-SW/N 77
P4-125/SE4/SVB 126
P4-125/SE4/SVB/N 126
P4-125/SE4/SVB-SW 123
P4-125/SE4/SVB-SW/N 123
P4-125/Z 70
P4-125/Z/N 70
P4-160/E 20
P4-160/EA/SVB 27
P4-160/EA/SVB/N 27
P4-160/EA/SVB-SW 26
P4-160/EA/SVB-SW/N 26
P4-160/E/N 20
P4-160/I5/SVB 124
P4-160/I5/SVB/N 124
P4-160/I5/SVB-SW 121
P4-160/I5/SVB-SW/N 121
P4-160/M4/SVB 78
P4-160/M4/SVB/N 78
P4-160/M4/SVB-SW 77
P4-160/M4/SVB-SW/N 77
P4-160/SE4/SVB 126
P4-160/SE4/SVB/N 126
P4-160/SE4/SVB-SW 123
P4-160/SE4/SVB-SW/N 123
P4-160/Z 70
P4-160/Z/N 70
P4 K2SDG/C 93
P4 K2SDR/C 93
P4-M400/CCP2 151
P4-NFPA/KIT 151
P4-NFPA/KIT-SW 151
P4-PE/E 159
P4-PEN/E 159
P4-PEN/Z 159
P4-PE/Z 159
P4-TC1P 159
P4-TC3P 159
P5-250/E 20
P5-250/EA/SVB 27
P5-250/EA/SVB/HI10 29
P5-250/EA/SVB/N 27
P5-250/EA/SVB-SW 26
P5-250/EA/SVB-SW/HI10 28
P5-250/EA/SVB-SW/N 26
P5-250/V/SVB 74
P5-250/V/SVB/HI10 76
P5-250/V/SVB/N 74
P5-250/V/SVB-SW 73
P5-250/V/SVB-SW/HI10 75
P5-250/V/SVB-SW/N 73
P5-250/Z 70
P5-315/E 20
P5-315/EA/SVB 27
P5-315/EA/SVB/HI10 29
P5-315/EA/SVB/N 27
P5-315/EA/SVB-SW 26
P5-315/EA/SVB-SW/HI10 28
P5-315/EA/SVB-SW/N 26
P5-315/V/SVB 74
P5-315/V/SVB/HI10 76
P5-315/V/SVB/N 74
P5-315/V/SVB-SW 73
P5-315/V/SVB-SW/HI10 75
P5-315/V/SVB-SW/N 73
P5-315/Z 70
PE-P5-250/315E 46, 156
PE-P5-250/315Z 91, 156
S-SOND-KMS(*)-TO 154
S(*)-SOND-SA(*)-T0 154
S-T0 154
S(*)-T0 154
ST-P5-250/314 159
SVA-SOND-KMS(*)-T3 154
SVA(*)-SOND-SA(*)-T3 154
SVA-T3 154
SVA(*)-T3 154
SVB-P1/M 93
SVB-P3 149
SVB-P3/M 93
SVB-P4 149
SVB-SW-P1/M 93
SVB-SW-P3 149
SVB-SW-P3/M 93
SVB-SW-P4 149
SVB-SW-T0 149
SVB-T0 149
SVC-T3 155
SVC(*)-T3 155
T0-1-91/E 45
T0-1-91/EZ 67
T0-1-91/I1 146
T0-1-91/IVS 110
T0-1-102/E 20
T0-1-102/EA/SVB 27
T0-1-102/EA/SVB-SW 26
T0-1-102/E-RT 24
T0-1-102/EZ 50
T0-1-102/EZ/S 22
T0-1-102/I1 114
T0-1-102/I1-RT 118
T0-1-102/I1/S 116
T0-1-102/I1/SVB 124
T0-1-102/I1/SVB-SW 121
T0-1-102/IVS 97
T0-1-102/IVS-RT 99
T0-1-102/SE1 115
T0-1-102/SE1/SVB 126
T0-1-102/SE1/SVB-SW 123
T0-1-102/V/SVB 74
T0-1-102/V/SVB-SW 73
T0-1-102/Z 70
T0-1-102/Z/S 71
T0-1-8200/E 20
T0-1-8200/EA/SVB 27
T0-1-8200/EA/SVB-SW 26
T0-1-8200/E-RT 24
T0-1-8200/EZ 50
T0-1-8200/I1 114
T0-1-8200/I1/RT 118
T0-1-8200/I1/SVB 124
T0-1-8200/I1/SVB-SW 121
T0-1-8200/IVS 97
T0-1-8200/IVS-RT 99
T0-1-8200/SE1 115
T0-1-8200/SE1/SVB 126
T0-1-8200/SE1/SVB-SW 123
T0-1-8200/V/SVB 74
T0-1-8200/V/SVB-SW 73
T0-1-8200/Z 70
T0-1-8210/E 31
T0-1-8210/EZ 53
T0-1-8210/I1 133
T0-1-8210/IVS 100
T0-1-8210/SE1 135
T0-1-8210/Z 81
T0-1-8214/E 32
T0-1-8214/EZ 53
T0-1-8214/I1 134
T0-1-8214/IVS 100
T0-1-8214/SE1 135
T0-1-8214/Z 82
T0-1-8220/E 33, 44
T0-1-8220/EZ 55, 65
T0-1-8220/I1 . . . . . 134, 145
T0-1-8220/IVS 101, 109
T0-1-8220/SE1 136
T0-1-8220/Z 82, 89
T0-1-8240/E 43
T0-1-8240/EZ 64
T0-1-8240/I1 145
T0-1-8240/IVS 108
T0-1-8240/Z 88
T0-1-15321/E 23
T0-1-15321/EZ 51
T0-1-15321/I1 117
T0-1-15321/IVS 98
T0-1-15321/Z 71
T0-1-15322/E 23
T0-1-15322/EZ 51
T0-1-15322/I1 117
T0-1-15322/IVS 98
T0-1-15366/E 23
T0-1-15366/EZ 51
T0-1-15401/E 21
T0-1-15401/EZ 50
T0-1-15401/I1 117
T0-1-15401/IVS 97
T0-1-15401/Z 70
T0-1-15402/E 21
T0-1-15402/EZ 50
T0-1-15402/I1 117
T0-1-15402/IVS 97
T0-1-15402/Z 70
T0-1-15421/E 31
T0-1-15421/EZ 53
T0-1-15421/I1 133
T0-1-15421/IVS 100
T0-1-15421/Z 81
T0-1-15431/E 35
T0-1-15431/EZ 58
T0-1-15431/I1 138
T0-1-15431/IVS 103
T0-1-15431/SE1 135
T0-1-15431/Z 83
T0-1-15434/E 35
T0-1-15434/EZ 58
T0-1-15434/I1 138
T0-1-15434/IVS 103
T0-1-15434/Z 83
T0-1-15451/E 35
T0-1-15451/EZ 58
T0-1-15451/I1 138
T0-1-15451/IVS 103
T0-1-15451/Z 83
T0-1-15511/E 22
T0-1-15511/EZ 51
T0-1-15511/I1 117
T0-1-15511/IVS 98
T0-1-15511/Z 71
T0-1-SOND*/E 162
T0-1-SOND*/EA/SVB 162
T0-1-SOND*/EA/SVB-SW 162
T0-1-SOND*/EZ 162
T0-1-SOND*/I1 162
T0-1-SOND*/I1/SVB 162
T0-1-SOND*/I1/SVB-SW 162
T0-1-SOND*/IVS 162
T0-1-SOND*/V/SVB 162
T0-1-SOND*/V/SVB-SW 162

Index

T0-1-SOND*/Z 162
T0-2-1/E. 20
T0-2-1/EA/SVB 27
T0-2-1/EA/SVB-SW 26
T0-2-1/E-RT 24
T0-2-1/E/SVA(A) 22
T0-2-1/E/SVA(S) 23
T0-2-1/E/SVA(S)-RT 24
T0-2-1/E/SVC(S)-RT 24
T0-2-1/EZ 50
T0-2-1/I1 114
T0-2-1/I1-RT 118
T0-2-1/I1/SVA(A) 116
T0-2-1/I1/SVA(S) 116
T0-2-1/I1/SVA(S)-RT 118
T0-2-1/I1/SVB 124
T0-2-1/I1/SVB-SW. 121
T0-2-1/I1/SVC(S)-RT 118
T0-2-1/I2H/MBS/SVB 125
T0-2-1/I2H/MBS/SVB-SW . . . 122
T0-2-1/IVS 97
T0-2-1/IVS-RT 99
T0-2-1/SE1 115
T0-2-1/SE1/SVB 126
T0-2-1/SE1/SVB-SW 123
T0-2-1/V/SVB 74
T0-2-1/V/SVB-SW 73
T0-2-1/Z. 70
T0-2-1/Z/SVA(A) 71
T0-2-1540-I1 114
T0-2-1540/IVS 97
T0-2-8177/E 22
T0-2-8177/EZ 51
T0-2-8177/I1 117
T0-2-8177/IVS 98
T0-2-8177/Z 71
T0-2-8211/E 31
T0-2-8211/EZ 53
T0-2-8211/I1 133
T0-2-8211/IVS 100
T0-2-8211/SE1 135
T0-2-8211/Z 81
T0-2-8215/E 32
T0-2-8215/EZ 53
T0-2-8215/I1 134
T0-2-8215/IVS 100
T0-2-8215/SE1 135
T0-2-8221/E 33
T0-2-8221/EZ 55
T0-2-8221/I1 134
T0-2-8221/IVS 101
T0-2-8221/SE1 136
T0-2-8221/Z 82
T0-2-8230/E 44
T0-2-8230/EZ 65
T0-2-8230/I1 145
T0-2-8230/IVS 109
T0-2-8230/Z 89
T0-2-8231/E 44
T0-2-8231/EZ 65
T0-2-8231/I1 145
T0-2-8231/IVS 109
T0-2-8231/Z 89
T0-2-8241/E 43
T0-2-8241/EZ 64
T0-2-8241/I1 145
T0-2-8241/IVS 108
T0-2-8241/Z 88
T0-2-8242/E 43
T0-2-8242/EZ 64
T0-2-8242/I1 145
T0-2-8242/IVS 108
T0-2-8242/Z 88
T0-2-8400/E 37
T0-2-8400/EZ 60
T0-2-8400/I1 140
T0-2-8400/IVS 105
T0-2-8400/Z 85
T0-2-8900/E 20
T0-2-8900/EA/SVB 27
T0-2-8900/EA/SVB-SW. 26
T0-2-8900/E-RT 24
T0-2-8900/EZ 50
T0-2-8900/I1 114
T0-2-8900/I1-RT 118
T0-2-8900/I1/SVB. 124
T0-2-8900/I1/SVB-SW 121
T0-2-8900/I2H/MBS/SVB. . . . 125
T0-2-8900/I2H/MBS/SVB-SW . . 122
T0-2-8900/IVS 97
T0-2-8900/IVS-RT. 99
T0-2-8900/SE1 115
T0-2-8900/SE1/SVB 126
T0-2-8900/SE1/SVB-SW 123
T0-2-8900/V/SVB 74
T0-2-8900/V/SVB-SW 73
T0-2-8900/Z 70
T0-2-15323/E 23
T0-2-15323/EZ 51
T0-2-15323/I1 117
T0-2-15323/IVS. 98
T0-2-15403/E 21
T0-2-15403/EZ 50
T0-2-15403/I1 114
T0-2-15403/IVS. 97
T0-2-15403/Z 70
T0-2-15404/E 21
T0-2-15404/EZ 50
T0-2-15404/Z 70
T0-2-15422/E 31
T0-2-15422/EZ 53
T0-2-15422/I1 133
T0-2-15422/IVS. 100
T0-2-15422/Z 81
T0-2-15432/E 35
T0-2-15432/EZ 58
T0-2-15432/I1 138
T0-2-15432/IVS. 103
T0-2-15432/SE1 135
T0-2-15432/Z 83
T0-2-15435/E 35
T0-2-15435/EZ 58
T0-2-15435/I1 138
T0-2-15435/IVS. 103
T0-2-15435/Z 83
T0-2-15452/E 35
T0-2-15452/EZ 58
T0-2-15452/I1 138
T0-2-15452/IVS. 103
T0-2-15452/Z 83
T0-2-15512/E 22
T0-2-15512/EZ 51
T0-2-15512/I1 117
T0-2-15512/Z 71
T0-2-15679/E 25
T0-2-15679/EA/SVB 29
T0-2-15679/EA/SVB-SW 28
T0-2-15679/EZ 52
T0-2-15679/I1 119
T0-2-15679/I1/SVB 130
T0-2-15679/I1/SVB-SW 127
T0-2-15679/I2H/MBS/SVB . . . 131
T0-2-15679/I2H/MBS/SVB-SW . 128
T0-2-15679/IVS. 99
T0-2-15679/SE1 120
T0-2-15679/SE1/SVB 132
T0-2-15679/SE1/SVB-SW . . . 129
T0-2-15679/V/SVB 76
T0-2-15679/V/SVB-SW. 75
T0-2-15679/Z 72
T0-2-15683/EZ 52
T0-2-15907/E 35
T0-2-15907/EZ 58
T0-2-15907/I1 138
T0-2-15907/IVS. 103
T0-2-15907/Z 83
T0-2-15920/E 39
T0-2-15920/EZ 62
T0-2-15920/IVS. 106
T0-2-15920/Z 86
T0-2-15921/E 39
T0-2-15921/EZ 62
T0-2-15921/IVS. 106
T0-2-15921/Z 86
T0-2-15922/E 39
T0-2-15922/EZ 62
T0-2-15922/IVS. 106
T0-2-15922/Z 86
T0-2-SOND*/E 162
T0-2-SOND*/EA/SVB 162
T0-2-SOND*/EA/SVB-SW. . . . 162
T0-2-SOND*/EZ 162
T0-2-SOND*/I1 162
T0-2-SOND*/I1/SVB. 162
T0-2-SOND*/I1/SVB-SW 162
T0-2-SOND*/IVS 162
T0-2-SOND*/V/SVB 162
T0-2-SOND*/V/SVB-SW 162
T0-2-SOND*/Z 162
T0-3-8007/E 39
T0-3-8007/EZ 62
T0-3-8007/I1 144
T0-3-8007/IVS 106
T0-3-8007/Z 86
T0-3-8048/E 39
T0-3-8212/E 31
T0-3-8212/EZ 53
T0-3-8212/I1 133
T0-3-8212/IVS 100
T0-3-8212/SE1 135
T0-3-8212/Z 81
T0-3-8216/E 32
T0-3-8216/EZ 53
T0-3-8216/I1 134
T0-3-8216/IVS 100
T0-3-8216/SE1 135
T0-3-8216/Z 82
T0-3-8220/I1 134
T0-3-8222/E 33, 44
T0-3-8222/EZ 55, 65
T0-3-8222/I1 145
T0-3-8222/IVS 101, 109
T0-3-8222/SE1 136
T0-3-8222/Z 82
T0-3-8223/SE2 136
T0-3-8228/E 37
T0-3-8228/EZ 60
T0-3-8228/I1 140
T0-3-8228/IVS 105
T0-3-8228/Z 85
T0-3-8232/E 44
T0-3-8232/EZ 65
T0-3-8232/I1 145
T0-3-8232/IVS 109
T0-3-8232/Z 89
T0-3-8233/E 44
T0-3-8233/EZ 65
T0-3-8233/I1 145
T0-3-8233/IVS 109
T0-3-8233/Z 89
T0-3-8243/E 43
T0-3-8243/EZ 64
T0-3-8243/I1 145
T0-3-8243/IVS 108
T0-3-8243/Z 88
T0-3-8244/E 43
T0-3-8244/EZ 64
T0-3-8244/I1 145
T0-3-8244/IVS 108
T0-3-8244/Z 88
T0-3-8251/EZ 65
T0-3-8251/IVS 109
T0-3-8251/Z 89
T0-3-8280/E 43
T0-3-8280/EZ 64
T0-3-8280/I1 145
T0-3-8280/IVS 108
T0-3-8280/Z 88
T0-3-8342/E 20
T0-3-8342/EA/SVB 27
T0-3-8342/EA/SVB-SW. 26
T0-3-8342/EZ 50
T0-3-8342/I1 114
T0-3-8342/I1/SVB. 124
T0-3-8342/I1/SVB-SW 121
T0-3-8342/IVS 97
T0-3-8342/SE1 115
T0-3-8342-SE1/SVB 126
T0-3-8342/SE1/SVB-SW 123
T0-3-8342/V/SVB 74
T0-3-8342/V/SVB-SW 73
T0-3-8342/Z 70
T0-3-8401/E 37
T0-3-8401/EZ 60
T0-3-8401/I1 140
T0-3-8401/IVS 105
T0-3-8401/Z 85
T0-3-8451/E 36
T0-3-8451/EZ 59
T0-3-8451/I1 139
T0-3-8451/IVS 104
T0-3-8451/Z 84
T0-3-8901/E 25
T0-3-8901/EA/SVB 29
T0-3-8901/EA/SVB-SW. 28
T0-3-8901/EZ 52
T0-3-8901/I1 119
T0-3-8901/I1/SVB. 130
T0-3-8901/I1/SVB-SW 127
T0-3-8901/IVS 99
T0-3-15391/E 45
T0-3-15391/EZ 57
T0-3-15391/I1 146
T0-3-15391/IVS. 110
T0-3-15394/E 45
T0-3-15394/EZ 57
T0-3-15394/I1 146
T0-3-15394/IVS. 110
T0-3-15394/Z 90
T0-3-15423/E 31
T0-3-15423/EZ 53
T0-3-15423/I1 133
T0-3-15423/IVS. 100
T0-3-15423/Z 81
T0-3-15433/E 35
T0-3-15433/EZ 58
T0-3-15433/I1 138
T0-3-15433/IVS. 103
T0-3-15433/SE1 135
T0-3-15433/Z 83
T0-3-15453/E 35
T0-3-15453/EZ 58
T0-3-15453/I1 138
T0-3-15453/IVS. 103
T0-3-15453/Z 83
T0-3-15513/E 22

T0-3-15513/EZ 51
T0-3-15513/I1 117
T0-3-15680/EA/SVB 29
T0-3-15680/EA/SVB-SW 28
T0-3-15680/I1/SVB 130
T0-3-15680/I1/SVB-SW 127
T0-3-15680/I2H/MBS/SVB . . . 131
T0-3-15680/I2H/MBS/SVB-SW . 128
T0-3-15680/SE1 120
T0-3-15680/SE1/SVB 132
T0-3-15680/SE1/SVB-SW . . . 129
T0-3-15680/V/SVB 76
T0-3-15680/V/SVB-SW. 75
T0-3-15683/E 25
T0-3-15683/EA/SVB 29
T0-3-15683/EA/SVB-SW 28
T0-3-15683/I1 119
T0-3-15683/I1/SVB 130
T0-3-15683/I1/SVB-SW 127
T0-3-15683/I2H/MBS/SVB . . . 131
T0-3-15683/I2H/MBS/SVB-SW . 128
T0-3-15683/IVS. 99
T0-3-15683/SE1 120
T0-3-15683/SE1/SVB 132
T0-3-15683/SE1/SVB-SW . . . 129
T0-3-15683/V/SVB 76
T0-3-15683/V/SVB-SW. 75
T0-3-15924/E 39
T0-3-15924/EZ 62
T0-3-15924/I1 144
T0-3-15924/IVS. 106
T0-3-15924/Z 86
T0-3-SOND*/E 162
T0-3-SOND*/EA/SVB 162
T0-3-SOND*/EA/SVB-SW. . . . 162
T0-3-SOND*/EZ 162
T0-3-SOND*/I1. 162
T0-3-SOND*/I1/SVB. 162
T0-3-SOND*/I1/SVB-SW 162
T0-3-SOND*/IVS 162
T0-3-SOND*/V/SVB 162
T0-3-SOND*/V/SVB-SW 162
T0-3-SOND*/Z 162
T0-4-8213/E 31
T0-4-8213/EZ 53
T0-4-8213/I1. 133
T0-4-8213/IVS 100
T0-4-8213/SE2 135
T0-4-8213/Z 81
T0-4-8223/E 33
T0-4-8223/EZ 55
T0-4-8223/I1. 134
T0-4-8223/IVS 101
T0-4-8223/Z 82
T0-4-8251/E 44
T0-4-8251/I1. 145
T0-4-8294/E 31
T0-4-8294/EZ 53
T0-4-8294/I1. 133
T0-4-8294/IVS 100
T0-4-8344/E 20
T0-4-8344/EA/SVB 27
T0-4-8344/EA/SVB-SW. 26
T0-4-8344/EZ 50
T0-4-8344/I1. 114
T0-4-8344/I1/SVB. 124
T0-4-8344/I1/SVB-SW 121
T0-4-8344/IVS 97
T0-4-8344/SE2 115
T0-4-8344/SE2/SVB 126
T0-4-8344/SE2/SVB-SW 123
T0-4-8344/V/SVB 74
T0-4-8344/V/SVB-SW 73
T0-4-8344/Z 70
T0-4-8410/E 40
T0-4-8410/EZ 61
T0-4-8410/I1. 144
T0-4-8410/IVS 107
T0-4-8410/Z 87
T0-4-8440/E 36
T0-4-8440/EZ 59
T0-4-8440/I1. 139
T0-4-8440/IVS 104
T0-4-8440/Z 84
T0-4-8441/E 36
T0-4-8441/EZ 59
T0-4-8441/I1. 139
T0-4-8441/IVS 104
T0-4-8441/Z 84
T0-4-15602/E 34
T0-4-15602/EZ 56
T0-4-15602/I1 137
T0-4-15602/IVS. 102
T0-4-15682/E 25
T0-4-15682/EA/SVB. 29
T0-4-15682/EA/SVB-SW 28
T0-4-15682/EZ 52
T0-4-15682/I1 119
T0-4-15682/I1/SVB 130
T0-4-15682/I1/SVB-SW 127
T0-4-15682/I2H/MBS/SVB . . . 131
T0-4-15682/I2H/MBS/SVB-SW . 128
T0-4-15682/IVS. 99
T0-4-15682/SE2 120
T0-4-15682/SE2/SVB 132
T0-4-15682/SE2/SVB-SW . . . 129
T0-4-15682/V/SVB 76
T0-4-15682/V/SVB-SW. 75
T0-4-15682/Z 72
T0-4-74949GB/E 37
T0-4-SOND*/E 162
T0-4-SOND*/EA/SVB 162
T0-4-SOND*/EA/SVB-SW. . . . 162
T0-4-SOND*/EZ 162
T0-4-SOND*/I1. 162
T0-4-SOND*/I1/SVB. 162
T0-4-SOND*/I1/SVB-SW 162
T0-4-SOND*/IVS 162
T0-4-SOND*/V/SVB 162
T0-4-SOND*/V/SVB-SW 162
T0-4-SOND*/Z 162
T0-5-8270/E 44
T0-5-8270/EZ 65
T0-5-8270/IVS 109
T0-5-8270/Z 89
T0-5-8281/E 43
T0-5-8281/EZ 64
T0-5-8281/IVS 108
T0-5-8281/Z 88
T0-5-8369/E 33
T0-5-8369/EZ 55
T0-5-8369/IVS 101
T0-5-15876/E 38
T0-5-15876/EZ 60
T0-5-15876/IVS. 105
T0-5-15876/Z 85
T0-5-SOND*/E 163
T0-5-SOND*/EZ 163
T0-5-SOND*/IVS 163
T0-5-SOND*/Z 163
T0-6-8271/E 44
T0-6-8271/EZ 65
T0-6-8271/IVS 109
T0-6-8271/Z 89
T0-6-8282/E 43
T0-6-8282/EZ 64
T0-6-8282/Z 88
T0-6-8370/E 33
T0-6-8370/EZ 55
T0-6-8370/IVS 101
T0-6-8370/Z 82
T0-6-15866/E 38
T0-6-15866/EZ 60
T0-6-15866/IVS. 105
T0-6-15866/Z 85
T0-6-SOND*/E 163
T0-6-SOND*/EZ 163
T0-6-SOND*/IVS 163
T0-6-SOND*/Z 163
T0-7-SOND*/E 163
T0-7-SOND*/EZ 163
T0-7-SOND*/IVS 163
T0-7-SOND*/Z 163
T0-8-8372/E 33
T0-8-8372/EZ 55
T0-8-8372/IVS 101
T0-8-8372/Z 82
T0-8-SOND*/E 163
T0-8-SOND*/EZ 163
T0-8-SOND*/IVS 163
T0-8-SOND*/Z 163
T0-9-SOND*/E 163
T0-9-SOND*/EZ 163
T0-9-SOND*/IVS 163
T0-9-SOND*/Z 163
T0-10-SOND*/E 163
T0-10-SOND*/EZ 163
T0-10-SOND*/IVS. 163
T0-11-SOND*/E 163
T0-11-SOND*/EZ 163
T0-11-SOND*/IVS. 163
T0-11-SOND*/Z 163
T3-1-102/E 20
T3-1-102/EA/SVB 27
T3-1-102/EA/SVB-SW 26
T3-1-102/E-RT 24
T3-1-102/EZ 50
T3-1-102/I2 114
T3-1-102/I2-RT 118
T3-1-102/I2/SVB 124
T3-1-102/I2/SVB-SW 121
T3-1-102/V/SVB 74
T3-1-102/V/SVB-SW. 73
T3-1-102/Z 70
T3-1-8200/E 20
T3-1-8200/EA/SVB 27
T3-1-8200/EA/SVB-SW. 26
T3-1-8200/E-RT 24
T3-1-8200/EZ 50
T3-1-8200/I2. 114
T3-1-8200/I2/SVB. 124
T3-1-8200/I2/SVB-SW 121
T3-1-8200/V/SVB 74
T3-1-8200/V/SVB-SW 73
T3-1-8200/Z 70
T3-1-8210/E 31
T3-1-8210/EZ 53
T3-1-8210/I2. 133
T3-1-8210/Z 81
T3-1-8214/E 32
T3-1-SOND*/E 164
T3-1-SOND*/EA/SVB 164
T3-1-SOND*/EA/SVB-SW. . . . 164
T3-1-SOND*/EZ 164
T3-1-SOND*/I2. 164
T3-1-SOND*/I2/SVB. 164
T3-1-SOND*/I2/SVB-SW 164
T3-1-SOND*/V/SVB 164
T3-1-SOND*/V/SVB-SW 164
T3-1-SOND*/Z 164
T3-2-8211/E 31
T3-2-8211/EZ 53
T3-2-8211/I2. 133
T3-2-8211/Z 81
T3-2-8215/E 32
T3-2-8215/I2. 134
T3-2-8221/E 33
T3-2-8221/EZ 55
T3-2-8221/I2. 134
T3-2-8221/Z 82
T3-2-8400/E 37
T3-2-8400/EZ 60
T3-2-8400/I2. 140
T3-2-8400/Z 85
T3-3-8212/E 31
T3-3-8212/EZ 53
T3-3-8212/I2. 133
T3-3-8212/Z 81
T3-3-8216/E 32
T3-3-8216/I2. 134
T3-3-8222/E 33
T3-3-8222/EZ 55
T3-3-8222/I2. 134
T3-3-8222/Z 82
T3-3-8228/E 37
T3-3-8228/EZ 60
T3-3-8228/I2. 140
T3-3-8228/Z 85
T3-3-8342/E 20
T3-3-8342/EA/SVB 27
T3-3-8342/EA/SVB-SW. 26
T3-3-8342/I2. 114
T3-3-8342/I2/SVB. 124
T3-3-8342/I2/SVB-SW 121
T3-3-8342/SE1 115
T3-3-8342/SE1/SVB-SW 123
T3-3-8342/SE2/SVB 126
T3-3-8342/V/SVB 74
T3-3-8342/V/SVB-SW 73
T3-3-8342/Z 70
T3-3-8401/E 37
T3-3-8401/EZ 60
T3-3-8401/I2. 140
T3-3-8401/Z 85
T3-3-8451/E 36
T3-3-8451/EZ 59
T3-3-8451/I2. 139
T3-3-8451/Z 84
T3-3-8901/E 25
T3-3-8901/EA/SVB 29
T3-3-8901/EZ 52
T3-3-8901/I2. 119
T3-3-8901/I2/SVB. 130
T3-3-8901/I2/SVB-SW 127
T3-3-8901/Z 72
T3-3-15680/EA/SVB 29
T3-3-15680/EA/SVB-SW 28
T3-3-15680/I2/SVB 130
T3-3-15680/I2/SVB-SW 127
T3-3-15680/V/SVB 76
T3-3-15680/V/SVB-SW. 75
T3-3-15683/E 25
T3-3-15683/EA/SVB 29
T3-3-15683/EA/SVB-SW 28
T3-3-15683/I2 119
T3-3-15683/I2/SVB 130
T3-3-15683/I2/SVB-SW 127
T3-3-15683/SE2 120
T3-3-15683/SE2/SVB 132
T3-3-15683/SE2/SVB-SW . . . 129
T3-3-15683/V/SVB 76
T3-4-8213/E 31
T3-4-8213/EZ 53
T3-4-8213/I2. 133
T3-4-8213/Z 81
T3-4-8223/E 33

T3-4-8223/I2 . . . 134
T3-4-8223/Z . . . 82
T3-4-8294/E . . . 31
T3-4-8294/I2 . . . 133
T3-4-8294/Z . . . 81
T3-4-8344/E . . . 20
T3-4-8344/EA/SVB . . . 27
T3-4-8344/EA/SVB-SW . . . 26
T3-4-8344/EZ . . . 50
T3-4-8344/I2 . . . 114
T3-4-8344/I2/SVB . . . 124
T3-4-8344/I2/SVB-SW . . . 121
T3-4-8344/SE2 . . . 115
T3-4-8344/SE2/SVB . . . 126
T3-4-8344/SE2/SVB-SW . . . 123
T3-4-8344/V/SVB . . . 74
T3-4-8344/V/SVB-SW . . . 73
T3-4-8344/Z . . . 70
T3-4-8410/E . . . 40
T3-4-8410/EZ . . . 61
T3-4-8410/I2 . . . 144
T3-4-8410/Z . . . 87
T3-4-8440/E . . . 36
T3-4-8440/EZ . . . 59
T3-4-8440/I2 . . . 139
T3-4-8440/Z . . . 84
T3-4-8441/E . . . 36
T3-4-8441/I2 . . . 139
T3-4-8441/Z . . . 84
T3-4-8902/E . . . 31
T3-4-8902/EZ . . . 53
T3-4-8902/I2 . . . 133
T3-4-8902/Z . . . 81
T3-4-15682/E . . . 25
T3-4-15682/EA/SVB . . . 29
T3-4-15682/EA/SVB-SW . . . 28
T3-4-15682/I2 . . . 119
T3-4-15682/I2/SVB . . . 130
T3-4-15682/I2/SVB-SW . . . 127
T3-4-15682/SE2 . . . 120
T3-4-15682/SE2-SVB . . . 132
T3-4-15682/SE2/SVB-SW . . . 129
T3-4-15682/V/SVB . . . 76
T3-4-15682/V/SVB-SW . . . 75
T3-4-15682/Z . . . 72
T3-4-74949GB/E . . . 37
T3-5-8369/E . . . 33
T3-5-8369/I2 . . . 134
T3-5-8369/Z . . . 82
T3-5-15876/E . . . 38
T3-5-15876/EZ . . . 60
T3-5-15876/I2 . . . 140
T3-5-15876/Z . . . 85
T3-5-SOND*/E . . . 165
T3-5-SOND*/EA/SVB . . . 165
T3-5-SOND*/EA/SVB-SW . . . 165
T3-5-SOND*/EZ . . . 165
T3-5-SOND*/I2 . . . 165
T3-5-SOND*/I2/SVB . . . 165
T3-5-SOND*/I2/SVB-SW . . . 165
T3-5-SOND*/V/SVB . . . 165
T3-5-SOND*/V/SVB-SW . . . 165
T3-5-SOND*/Z . . . 165
T3-6-8370/E . . . 33
T3-6-8370/EZ . . . 55
T3-6-15866/E . . . 38
T3-6-15866/Z . . . 85
T3-6-SOND*/E . . . 165
T3-6-SOND*/EA/SVB . . . 165
T3-6-SOND*/EA/SVB-SW . . . 165
T3-6-SOND*/EZ . . . 165
T3-6-SOND*/V/SVB . . . 165
T3-6-SOND*/V/SVB-SW . . . 165
T3-6-SOND*/Z . . . 165
T3-7-SOND*/E . . . 165
T3-7-SOND*/EZ . . . 165
T3-7-SOND*/Z . . . 165
T3-8-8372/E . . . 33
T3-8-8372/Z . . . 82
T3-8-SOND*/E . . . 165
T3-8-SOND*/EZ . . . 165
T3-8-SOND*/Z . . . 165
T3-9-SOND*/E . . . 165
T3-9-SOND*/EZ . . . 165
T3-9-SOND*/Z . . . 165
T3-10-SOND*/E . . . 165
T3-10-SOND*/EZ . . . 165
T3-10-SOND*/Z . . . 165
T3-11-SOND*/E . . . 165
T3-11-SOND*/EZ . . . 165
T3-11-SOND*/Z . . . 165
T5-1-102/EA/SVB . . . 27
T5-1-102/EA/SVB-SW . . . 26
T5-1-102/I5/SVB . . . 124
T5-1-8200/E-RT . . . 24
T5-1-SOND*/E . . . 168
T5-1-SOND*/EA/SVB . . . 168
T5-1-SOND*/EA/SVB-SW . . . 168
T5-1-SOND*/I4 . . . 168
T5-1-SOND*/I4/SVB . . . 168
T5-1-SOND*/I4/SVB-SW . . . 168
T5-1-SOND*/V/SVB . . . 168
T5-1-SOND*/V/SVB-SW . . . 168
T5-1-SOND*/Z . . . 168
T5-2-SOND*/E . . . 168
T5-2-SOND*/EA/SVB . . . 168
T5-2-SOND*/EA/SVB-SW . . . 168
T5-2-SOND*/I4 . . . 168
T5-2-SOND*/I4/SVB . . . 168
T5-2-SOND*/I4/SVB-SW . . . 168
T5-2-SOND*/V/SVB . . . 168
T5-2-SOND*/V/SVB-SW . . . 168
T5-2-SOND*/Z . . . 168
T5-3-8212/E . . . 31
T5-3-8212/I5 . . . 133
T5-3-8212/Z . . . 81
T5-3-8342/EA/SVB . . . 27
T5-3-8342/EA/SVB-SW . . . 26
T5-3-8342/I5-SI . . . 142
T5-3-8342/I5-SI-SW . . . 141
T5-3-8342/I5/SVB . . . 124
T5-3-8342/I5/SVB-SW . . . 121
T5-3-8342/V/SVB . . . 74
T5-3-8342/V/SVB-SW . . . 73
T5-3-8901/EA/SVB . . . 29
T5-3-8901/EA/SVB-SW . . . 28
T5-3-8901/I5/SVB . . . 130
T5-3-8901/I5/SVB-SW . . . 127
T5-3-SOND*/E . . . 168
T5-3-SOND*/EA/SVB . . . 168
T5-3-SOND*/EA/SVB-SW . . . 168
T5-3-SOND*/I4 . . . 168
T5-3-SOND*/I4/SVB . . . 168
T5-3-SOND*/I4/SVB-SW . . . 168
T5-3-SOND*/V/SVB . . . 168
T5-3-SOND*/V/SVB-SW . . . 168
T5-3-SOND*/Z . . . 168
T5-4-8213/E . . . 31
T5-4-8213/I5 . . . 133
T5-4-8213/Z . . . 81
T5-4-8294/E . . . 31
T5-4-8294/I5 . . . 133
T5-4-8294/Z . . . 81
T5-4-8344/EA/SVB . . . 27
T5-4-8344/EA/SVB-SW . . . 26
T5-4-8344/I5/SVB . . . 124
T5-4-8344/I5/SVB-SW . . . 121
T5-4-8344/V/SVB . . . 74
T5-4-8344/V/SVB-SW . . . 73
T5-4-8902/E . . . 31
T5-4-8902/I5 . . . 133
T5-4-8902/Z . . . 81
T5-4-8903/I5-SI . . . 142
T5-4-8903/I5-SI-SW . . . 141
T5-4-15682/E(. . . 25
T5-4-15682/EA/SVB . . . 29
T5-4-15682/EA/SVB-SW . . . 28
T5-4-15682/I5 . . . 119
T5-4-15682/I5-SI . . . 142
T5-4-15682/I5-SI-SW . . . 141
T5-4-15682/I5/SVB . . . 130
T5-4-15682/I5/SVB-SW . . . 127
T5-4-15682/V/SVB . . . 76
T5-4-15682/V/SVB-SW . . . 75
T5-4-15682/Z . . . 72
T5-4-SOND*/E . . . 168
T5-4-SOND*/EA/SVB . . . 168
T5-4-SOND*/EA/SVB-SW . . . 168
T5-4-SOND*/I4 . . . 168
T5-4-SOND*/I4/SVB . . . 168
T5-4-SOND*/I4/SVB-SW . . . 168
T5-4-SOND*/V/SVB . . . 168
T5-4-SOND*/V/SVB-SW . . . 168
T5-5-SOND*/E . . . 169
T5-5-SOND*/EA/SVB . . . 169
T5-5-SOND*/EA/SVB-SW . . . 169
T5-5-SOND*/V/SVB . . . 169
T5-5-SOND*/V/SVB-SW . . . 169
T5-5-SOND*/Z . . . 169
T5-6-SOND*/E . . . 169
T5-6-SOND*/EA/SVB . . . 169
T5-6-SOND*/EA/SVB-SW . . . 169
T5-6-SOND*/V/SVB . . . 169
T5-6-SOND*/V/SVB-SW . . . 169
T5-6-SOND*/Z . . . 169
T5-7-SOND*/E . . . 169
T5-7-SOND*/EA/SVB . . . 169
T5-7-SOND*/EA/SVB-SW . . . 169
T5-7-SOND*/V/SVB . . . 169
T5-7-SOND*/V/SVB-SW . . . 169
T5-7-SOND*/Z . . . 169
T5-8-SOND*/E . . . 169
T5-8-SOND*/EA/SVB . . . 169
T5-8-SOND*/EA/SVB-SW . . . 169
T5-8-SOND*/V/SVB . . . 169
T5-8-SOND*/V/SVB-SW . . . 169
T5-8-SOND*/Z . . . 169
T5-9-SOND*/E . . . 169
T5-9-SOND*/EA/SVB . . . 169
T5-9-SOND*/EA/SVB-SW . . . 169
T5-9-SOND*/V/SVB . . . 169
T5B-1-102/E . . . 20
T5B-1-102/EA/SVB . . . 27
T5B-1-102/EA/SVB-SW . . . 26
T5B-1-102/E-RT . . . 24
T5B-1-102/I4 . . . 114
T5B-1-102/I4/SVB . . . 124
T5B-1-102/I4/SVB-SW . . . 121
T5B-1-102/V/SVB . . . 74
T5B-1-102/V/SVB-SW . . . 73
T5B-1-102/Z . . . 70
T5B-1-8200/E . . . 20
T5B-1-8200/EA/SVB . . . 27
T5B-1-8200/EA/SVB-SW . . . 26
T5B-1-8200/E-RT . . . 24
T5B-1-8200/I4 . . . 114
T5B-1-8200/I4/SVB . . . 124
T5B-1-8200/I4/SVB-SW . . . 121
T5B-1-8200/V/SVB . . . 74
T5B-1-8200/Z . . . 70
T5B-1-8210/E . . . 31
T5B-1-8210/I4 . . . 133
T5B-1-8210/Z . . . 81
T5B-1-SOND*/E . . . 166
T5B-1-SOND*/EA/SVB . . . 166
T5B-1-SOND*/EA/SVB-SW . . . 166
T5B-1-SOND*/I4 . . . 166
T5B-1-SOND*/I4/SVB . . . 166
T5B-1-SOND*/I4/SVB-SW . . . 166
T5B-1-SOND*/V/SVB . . . 166
T5B-1-SOND*/V/SVB-SW . . . 166
T5B-1-SOND*/Z . . . 166
T5B-2-8211/E . . . 31
T5B-2-8211/I4 . . . 133
T5B-2-8211/Z . . . 81
T5B-2-8221/I4 . . . 134
T5B-2-8221/Z . . . 82
T5B-2-8400/E . . . 37
T5B-2-8400/I4 . . . 140
T5B-2-SOND*/E . . . 166
T5B-2-SOND*/EA/SVB . . . 166
T5B-2-SOND*/EA/SVB-SW . . . 166
T5B-2-SOND*/I4 . . . 166
T5B-2-SOND*/I4/SVB . . . 166
T5B-2-SOND*/I4/SVB-SW . . . 166
T5B-2-SOND*/V/SVB . . . 166
T5B-2-SOND*/V/SVB-SW . . . 166
T5B-2-SOND*/Z . . . 166
T5B-3-8212/E . . . 31
T5B-3-8212/I4 . . . 133
T5B-3-8212/Z . . . 81
T5B-3-8222/E . . . 33
T5B-3-8222/I4 . . . 134
T5B-3-8222/Z . . . 82
T5B-3-8223/I4 . . . 134
T5B-3-8228/E . . . 37
T5B-3-8228/I4 . . . 140
T5B-3-8342/E . . . 20
T5B-3-8342/EA/SVB . . . 27
T5B-3-8342/EA/SVB-SW . . . 26
T5B-3-8342/I4 . . . 114
T5B-3-8342/I4-SI . . . 142
T5B-3-8342/I4-SI-SW . . . 141
T5B-3-8342/I4/SVB . . . 124
T5B-3-8342/I4/SVB-SW . . . 121
T5B-3-8342/V/SVB . . . 74
T5B-3-8342/V/SVB-SW . . . 73
T5B-3-8342/Z . . . 70
T5B-3-8344/E . . . 20
T5B-3-8344/I4 . . . 114
T5B-3-8401/E . . . 37
T5B-3-8401/I4 . . . 140
T5B-3-8401/Z . . . 85
T5B-3-8451/E . . . 36
T5B-3-8451/I4 . . . 139
T5B-3-8901/EA/SVB . . . 29
T5B-3-8901/EA/SVB-SW . . . 28
T5B-3-8901/I4/SVB . . . 130
T5B-3-8901/I4/SVB-SW . . . 127
T5B-3-8901/V/SVB . . . 76
T5B-3-8901/V/SVB-SW . . . 75
T5B-3-SOND*/E . . . 166
T5B-3-SOND*/EA/SVB . . . 166
T5B-3-SOND*/EA/SVB-SW . . . 166
T5B-3-SOND*/I4 . . . 166
T5B-3-SOND*/I4/SVB . . . 166
T5B-3-SOND*/I4/SVB-SW . . . 166
T5B-3-SOND*/V/SVB . . . 166
T5B-3-SOND*/V/SVB-SW . . . 166
T5B-3-SOND*/Z . . . 166
T5B-4-8213/E . . . 31
T5B-4-8213/Z . . . 81
T5B-4-8223/E . . . 33
T5B-4-8223/Z . . . 82
T5B-4-8294/E . . . 31
T5B-4-8294/I4 . . . 133

T5B-4-8294/Z 81
T5B-4-8344/EA/SVB 27
T5B-4-8344/EA/SVB-SW 26
T5B-4-8344/I4/SVB 124
T5B-4-8344/I4/SVB-SW 121
T5B-4-8344/V/SVB 74
T5B-4-8344/V/SVB-SW 73
T5B-4-8410/E 40
T5B-4-8410/I4 144
T5B-4-8410/Z 87
T5B-4-8440/E 36
T5B-4-8440/I4 139
T5B-4-8440/Z 84
T5B-4-8441/E 36
T5B-4-8441/I4 139
T5B-4-8441/Z 84
T5B-4-8902/E 31
T5B-4-8902/I4 133
T5B-4-8902/Z 81
T5B-4-8903/I4-SI 142
T5B-4-8903/I4-SI-SW 141
T5B-4-15682/E 25
T5B-4-15682/EA/SVB 29
T5B-4-15682/EA/SVB-SW . . . 28
T5B-4-15682/I4 119
T5B-4-15682/I4-SI 142
T5B-4-15682/I4-SI-SW 141
T5B-4-15682/I4/SVB 130
T5B-4-15682/I4/SVB-SW 127
T5B-4-15682/V/SVB 76
T5B-4-15682/V/SVB-SW 75
T5B-4-15682/Z 72
T5B-4-74949GB/E 37
T5B-4-SOND*/E 166
T5B-4-SOND*/EA/SVB 166
T5B-4-SOND*/EA/SVB-SW . . . 166
T5B-4-SOND*/I4 166
T5B-4-SOND*/I4/SVB 166
T5B-4-SOND*/I4/SVB-SW . . . 166
T5B-4-SOND*/V/SVB 166
T5B-4-SOND*/V/SVB-SW . . . 166
T5B-4-SOND*/Z 166
T5B-5-15876/E 38
T5B-5-15876/Z 85
T5B-5-SOND*/E 167
T5B-5-SOND*/EA/SVB 167
T5B-5-SOND*/EA/SVB-SW . . . 167
T5B-5-SOND*/V/SVB 167
T5B-5-SOND*/V/SVB-SW . . . 167
T5B-5-SOND*/Z 167
T5B-6-SOND*/E 167
T5B-6-SOND*/EA/SVB 167
T5B-6-SOND*/EA/SVB-SW . . . 167
T5B-6-SOND*/V/SVB 167
T5B-6-SOND*/V/SVB-SW . . . 167
T5B-6-SOND*/Z 167
T5B-7-15866/E 38
T5B-7-SOND*/E 167
T5B-7-SOND*/EA/SVB 167
T5B-7-SOND*/EA/SVB-SW . . . 167
T5B-7-SOND*/V/SVB 167
T5B-7-SOND*/V/SVB-SW . . . 167
T5B-7-SOND*/Z 167
T5B-8-SOND*/E 167
T5B-8-SOND*/EA/SVB 167
T5B-8-SOND*/EA/SVB-SW . . . 167
T5B-8-SOND*/V/SVB 167
T5B-8-SOND*/V/SVB-SW . . . 167
T5B-8-SOND*/Z 167
T5B-9-SOND*/E 167
T5B-9-SOND*/Z 167
T5B-10-SOND*/E 167
T5B-10-SOND*/Z 167
T6-3-8212/E/HI12 31
T6-160-6/I45/SVB/HI11 130
T6-160-6/I45/SVB-SW/HI11 . . 127
T6-160-15682/V/SVB/HI11 . . . 76
T6-160-15682/V/SVB-SW/HI11 . 75
T8-3-8212/E/HI12 31
T8-3-8342/I48/SVB/HI11 130
T8-3-8342/I48/SVB-SW/HI11 . . 127
T8-3-8342/V/SVB/HI11 76
T8-3-8342/V/SVB-SW/HI11 . . . 75
TM-1-8175/EZ 51
TM-1-8178/E 21
TM-1-8178/EZ 51
TM-1-8210/E 30
TM-1-8210/EZ 54
TM-1-8214/E 32
TM-1-8220/E 30
TM-1-8220/EZ 54
TM-1-8220F88/EZ 58
TM-1-8240/E 42
TM-1-8240/EZ 63
TM-1-8290/E 20
TM-1-8290/EZ 50
TM-1-8291/E 20
TM-1-8291/EZ 50
TM-1-8310/EZ 57
TM-1-8311/EZ 57
TM-1-15431/E 35
TM-1-15431/EZ 58
TM-1-15431/IVS 103
TM-1-SOND*/E 170
TM-1-SOND-ERSTBESTELLUNG/E 170
TM-1-SOND-ERSTBESTELLUNG/EZ 170
TM-1-SOND-ERSTBESTELLUNG/IVS 170
TM-1-SOND*/IVS 170
TM-2-8211/E 30
TM-2-8211/EZ 54
TM-2-8215/E 32
TM-2-8219/E 30
TM-2-8221/E 30
TM-2-8221/EZ 54
TM-2-8230/E 41
TM-2-8230/EZ 66
TM-2-8231/E 41
TM-2-8231/EZ 66
TM-2-8241/E 42
TM-2-8241/EZ 63
TM-2-8260/E 42
TM-2-8260/EZ 63
TM-2-8292/E 20
TM-2-8292/EZ 50
TM-2-8293/E 20
TM-2-8293/EZ 50
TM-2-8550/E 34
TM-2-8550/EZ 56
TM-2-15432/E 35
TM-2-15432/EZ 58
TM-2-SOND*/E 170
TM-2-SOND-ERSTBESTELLUNG/E 170
TM-2-SOND-ERSTBESTELLUNG/EZ 170
TM-2-SOND-ERSTBESTELLUNG/IVS 170
TM-2-SOND*/EZ 170
TM-2-SOND*/IVS 170
TM-3-8212/E 30
TM-3-8212/EZ 54
TM-3-8222/E 30
TM-3-8222/EZ 54
TM-3-8232/E 41
TM-3-8232/EZ 66
TM-3-8233/E 41
TM-3-8233/EZ 66
TM-3-8242/E 42
TM-3-8242/EZ 63
TM-3-8243/E 42
TM-3-8243/EZ 63
TM-3-8244/E 42
TM-3-8244/EZ 63
TM-3-8256/E 20
TM-3-8261/E 42
TM-3-8261/EZ 63
TM-3-8280/E 42
TM-3-8280/EZ 63
TM-3-8299/E 30
TM-3-8401/E 37
TM-3-15433/E 35
TM-3-15433/EZ 58
TM-3-SOND*/E 170
TM-3-SOND-ERSTBESTELLUNG/E 170
TM-3-SOND-ERSTBESTELLUNG/EZ 170
TM-3-SOND*/EZ 170
TM-4-8213/E 30
TM-4-8213/EZ 54
TM-4-8223/E 30
TM-4-8223/EZ 54
TM-4-8262/E 42
TM-4-8262/EZ 63
TM-4-8552/E 34
TM-4-SOND*/E 170
TM-4-SOND-ERSTBESTELLUNG/E 170
TM-4-SOND-ERSTBESTELLUNG/EZ 170
TM-4-SOND*/EZ 170
TM-5-8237/E 41
TM-5-8237/EZ 66
TM-5-8247/E 42
TM-5-8247/EZ 63
TM-5-8252/E 41
TM-5-8252/EZ 66
TM-5-8270/E 41
TM-5-8270/EZ 66
TM-5-8281/E 42
TM-5-8281/EZ 63
TM-5-8369/E 30
TM-5-8369/EZ 54
TM-5-SOND*/E 170
TM-5-SOND-ERSTBESTELLUNG/E 170
TM-5-SOND-ERSTBESTELLUNG/EZ 170
TM-5-SOND*/EZ 170
TM-6-8253/E 41, 66
TM-6-8271/E 41
TM-6-8271/EZ 66
TM-6-8282/E 42
TM-6-8370/E 30
TM-6-SOND*/E 170
TM-6-SOND-ERSTBESTELLUNG/E 170
TM-6-SOND-ERSTBESTELLUNG/EZ 170
TM-6-SOND*/EZ 170
TM-7-SOND*/E 170
TM-7-SOND-ERSTBESTELLUNG/E 170
TM-7-SOND-ERSTBESTELLUNG/EZ 170
TM-7-SOND*/EZ 170
TM-8-SOND*/E 170
TM-8-SOND-ERSTBESTELLUNG/E 170
TM-8-SOND-ERSTBESTELLUNG/EZ 170
TM-8-SOND*/EZ 170
UV-P3 158
UV-T0 158
V/EA/SVB-SW-T0 150
V/EA/SVB-SW/T5 150
V/EA/SVB-T0 150
V/EA/SVB/T5 150
V-M25 147
VR-T0 155
VR-T3 155
ZAV-P3 92
ZAV-P5 92
ZAV-T0 92
ZFS60-P3 153
ZFS60-T0 153
ZFS61/62/P3 153
ZFS61/62-T0 153
ZFS63-P3 153
ZFS63-T0 153
ZFS68-T0 153
ZFS77-P3 153
ZFS77-T0 153
ZFS80-P3 153
ZFS80-T0 153
ZFS(*)-P5 153
ZFSX-P3 153
ZFSX-T0 153
ZVV-P3 92
ZVV-T0 92

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Eaton Industries GmbH
Hein-Moeller-Str. 7-11
D-53115 Bonn/Germany

Eaton Electrical Products Limited
Unit 1, Hawker Business Park
Melton Road
Burton-on-the-Wolds
LE12 5TH

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