












Cam switches



Front plate number	Main circuit poles	Auxiliary circuits		Flush mounting	Centre mounting	Surface mounting	Service distribution board mounting	Rear mounting
		N/O	N/C	Front IP65 Item no.	Front IP65 Item no.	IP65 Item no.	Front IP30 Item no.	Front IP65 Item no.
On-Off switches 20A								
 FS 908	1	-	-	T0-1-8200/E	T0-1-8200/EZ	T0-1-8200/I1	T0-1-8200/IVS	T0-1-8200/Z
	2	-	-	T0-1-102/E	T0-1-102/EZ	T0-1-102/I1	T0-1-102/IVS	T0-1-102/Z
	3	-	-	T0-2-1/E	T0-2-1/EZ	T0-2-1/I1	T0-2-1/IVS	T0-2-1/Z
	3	1	0	T0-2-15679/E	T0-2-15679/EZ	T0-2-15679/I1	T0-2-15679/IVS	T0-2-15679/Z
	3 + N	-	-	T0-2-8900/E	T0-2-8900/EZ	T0-2-8900/I1	T0-2-8900/IVS	T0-2-8900/Z
Changeover switches 20A								
 FS 684	1	-	-	T0-1-8210/E	T0-1-8210/EZ	T0-1-8210/I1	T0-1-8210/IVS	T0-1-8210/Z
	2	-	-	T0-2-8211/E	T0-2-8211/EZ	T0-2-8211/I1	T0-2-8211/IVS	T0-2-8211/Z
	3	-	-	T0-3-8212/E	T0-3-8212/EZ	T0-3-8212/I1	T0-3-8212/IVS	T0-3-8212/Z
	4	-	-	T0-4-8213/E	T0-4-8213/EZ	T0-4-8213/I1	T0-4-8213/IVS	T0-4-8213/Z
 FS 943	1	-	-	T0-1-8220/E	T0-1-8220/EZ	T0-1-8220/I1	T0-1-8220/IVS	T0-1-8220/Z
	2	-	-	T0-2-8221/E	T0-2-8221/EZ	T0-2-8221/I1	T0-2-8221/IVS	T0-2-8221/Z
	3	-	-	T0-3-8222/E	T0-3-8222/EZ	T0-3-8222/I1	T0-3-8222/IVS	T0-3-8222/Z
	4	-	-	T0-4-8223/E	T0-4-8223/EZ	T0-4-8223/I1	T0-4-8223/IVS	T0-4-8223/Z
 FS 4011	1	-	-	T0-1-8214/E	T0-1-8214/EZ	T0-1-8214/I1	T0-1-8214/IVS	T0-1-8214/Z
	2	-	-	T0-2-8215/E	T0-2-8215/EZ	T0-2-8215/I1	T0-2-8215/IVS	T0-2-8215/Z
	3	-	-	T0-3-8216/E	T0-3-8216/EZ	T0-3-8216/I1	T0-3-8216/IVS	T0-3-8216/Z
Reversing switches 20A								
 FS 684	3	-	-	T0-3-8401/E	T0-3-8401/EZ	T0-3-8401/I1	T0-3-8401/IVS	T0-3-8401/Z
ON-OFF switches 20A								
 FS 415	1	-	-	T0-1-15401/E	T0-1-15401/EZ	T0-1-15401/I1	T0-1-15401/IVS	T0-1-15401/Z
	2	-	-	T0-1-15402/E	T0-1-15402/EZ	T0-1-15402/I1	T0-1-15402/IVS	T0-1-15402/Z
	3	-	-	T0-2-15403/E	T0-2-15403/EZ	T0-2-15403/I1	T0-2-15403/IVS	T0-2-15403/Z
Voltmeter selector switches 20A								
 FS 1410759	3 + N	-	-	T0-3-8007/E	T0-3-8007/EZ	T0-3-8007/I1	T0-3-8007/IVS	T0-3-8007/Z
Ammeter selector switches 20A								
 FS 9440	3	-	-	T0-3-8048/E	T0-3-8048/EZ		T0-3-8048/IVS	T0-3-8048/Z
Step switches 20A								
 FS 606	1	-	-	T0-2-8231/E	T0-2-8231/EZ	T0-2-8231/I1	T0-2-8231/IVS	T0-2-8231/Z
 FS 420	1	-	-	T0-2-8241/E	T0-2-8241/EZ	T0-2-8241/I1	T0-2-8241/IVS	T0-2-8241/Z
Changeoverswitches 20A								
 FS 1401	1	-	-	T0-1-15431/E	T0-1-15431/EZ	T0-1-15431/I1	T0-1-15431/IVS	T0-1-15431/Z
	2	-	-	T0-2-15432/E	T0-2-15432/EZ	T0-2-15432/I1	T0-2-15432/IVS	T0-2-15432/Z
	3	-	-	T0-3-15433/E	T0-3-15433/EZ	T0-3-15433/I1	T0-3-15433/IVS	T0-3-15433/Z

Cam switches



Main circuit poles	Auxiliary circuits		Rated uninterrupted current Ia, A	Main switches surface mounting IP65	Main switches flush mounting front IP65	Main switches rear mounting front IP65	Main switches rear mounting front IP65 Metal shaft for panel depth 400mm
	N/O	N/C		Item no.	Item no.	Item no.	Item no.
Main switches, maintenance switches, repair switches							
With red rotary handle and yellow locking ring							
Note: All types are available with a black thumb-grip							
Lockable in the 0 (Off) position							
1	-	-	20	T0-1-8200/I1/SVB	T0-1-8200/EA/SVB	T0-1-8200/V/SVB	-
			32	T3-1-8200/I2/SVB	T3-1-8200/EA/SVB	T3-1-8200/V/SVB	-
			63	T5B-1-8200/I4/SVB	T5B-1-8200/EA/SVB	T5B-1-8200/V/SVB	-
			100	-	T5-1-8200/EA/SVB	T5-1-8200/V/SVB	-
2	-	-	20	T0-1-102/I1/SVB	T0-1-102/EA/SVB	T0-1-102/V/SVB	-
			32	T3-1-102/I2/SVB	T3-1-102/EA/SVB	T3-1-102/V/SVB	-
			63	T5B-1-102/I4/SVB	T5B-1-102/EA/SVB	T5B-1-102/V/SVB	-
			100	T5-1-102/I5/SVB	T5-1-102/EA/SVB	T5-1-102/V/SVB	-
3	-	-	20	T0-2-1/I1/SVB	T0-2-1/EA/SVB	T0-2-1/V/SVB	-
			25	P1-25/I2/SVB	P1-25/EA/SVB	P1-25/V/SVB	P1-25/M4/SVB
			32	P1-32/I2/SVB	P1-32/EA/SVB	P1-32/V/SVB	P1-32/M4/SVB
			63	P3-63/I4/SVB	P3-63/EA/SVB	P3-63/V/SVB	P3-63/M4/SVB
			100	P3-100/I5/SVB	P3-100/EA/SVB	P3-100/V/SVB	P3-100/M4/SVB
			125	-	P5-125/EA/SVB	P5-125/V/SVB	-
			160	-	P5-160/EA/SVB	P5-160/V/SVB	-
			250	-	P5-250/EA/SVB	P5-250/V/SVB	-
3 + N	-	-	20	T0-2-8900/I1/SVB	-	-	-
			25	P1-25/I2/SVB/N	P1-25/EA/SVB/N	P1-25/V/SVB/N	P1-25/M4/SVB/N
			32	P1-32/I2/SVB/N	P1-32/EA/SVB/N	P1-32/V/SVB/N	P1-32/M4/SVB/N
			63	P3-63/I4/SVB/N	P3-63/EA/SVB/N	P3-63/V/SVB/N	P3-63/M4/SVB/N
			100	P3-100/I5/SVB/N	P3-100/EA/SVB/N	P3-100/V/SVB/N	P3-100/M4/SVB/N
			125	-	P5-125/EA/SVB/N	P5-125/V/SVB/N	-
			160	-	P5-160/EA/SVB/N	P5-160/V/SVB/N	-
			250	-	P5-250/EA/SVB/N	P5-250/V/SVB/N	-
3	1	0	20	T0-2-15679/I1/SVB	T0-2-15679/EA/SVB	T0-2-15679/V/SVB	-
	1	1	25	P1-25/I2/SVB/HI11	P1-25/EA/SVB/HI11	P1-25/V/SVB/HI11	P1-25/M4/SVB/HI11
			32	P1-32/I2/SVB/HI11	P1-32/EA/SVB/HI11	P1-32/V/SVB/HI11	P1-32/M4/SVB/HI11
			63	P3-63/I4/SVB/HI11	P3-63/EA/SVB/HI11	P3-63/V/SVB/HI11	P3-63/M4/SVB/HI11
			100	P3-100/I5/SVB/HI11	P3-100/EA/SVB/HI11	P3-100/V/SVB/HI11	P3-100/M4/SVB/HI11
3 + N	1	1	20	T0-3-15680/I1/SVB	T0-3-15680/EA/SVB	T0-3-15680/V/SVB	-
			25	-	P1-25/EA/SVB/N/HI11	P1-25/V/SVB/N/HI11	P1-25/M4/SVB/N/HI11
			32	T3-3-15680/I2/SVB	P1-32/EA/SVB/N/HI11	P1-32/V/SVB/N/HI11	P1-32/M4/SVB/N/HI11
			63	P3-63/I4/SVB/N/HI11	P3-63/EA/SVB/N/HI11	P3-63/V/SVB/N/HI11	P3-63/M4/SVB/N/HI11
3			100	P3-100/I5/SVB/N/HI11	P3-100/EA/SVB/N/HI11	P3-100/V/SVB/N/HI11	P3-100/M4/SVB/N/HI11
	2	1	20	T0-3-15683/I1/SVB	T0-3-15683/EA/SVB	T0-3-15683/V/SVB	-
	-	-	20	T0-3-8342/I1/SVB	T0-3-8342/EA/SVB	T0-3-8342/V/SVB	-
			32	T3-3-8342/I2/SVB	T3-3-8342/EA/SVB	T3-3-8342/V/SVB	-
6			63	T5B-3-8342/I4/SVB	T5B-3-8342/EA/SVB	T5B-3-8342/V/SVB	-
			100	T5-3-8342/I5/SVB	T5-3-8342/EA/SVB	T5-3-8342/V/SVB	-

Cam switches



SVB-T0



SVB-SW-T0



V/EA/SVB-T0



V/EA/SVB-SW-T0



KNB-T0



KNB-RT-P3

Description	Emergency switching off/emergency stop	For use with	Item no.
Main switch assembly kits			
With red rotary handle and yellow locking collar	As an emergency switching off/emergency stop device To IEC/EN 60204-1, VDE 0113 Part 1	T0-.../E, .../Z, .../I1 T3-.../E, .../Z, .../I2 P1-.../E, .../Z, .../I2	SVB-T0
		T5B-.../E, .../Z, .../I4 T5-.../E, .../Z, .../I5 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	SVB-P3
With black rotary handle and black locking collar	Without emergency switching off/emergency stop function	T0-.../E, .../Z, .../I1 T3-.../E, .../Z, .../I2 P1-.../E, .../Z, .../I2	SVB-SW-T0
		T5B-.../E, .../Z, .../I4 T5-.../E, .../Z, .../I5 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	SVB-SW-P3
Main switch assembly kits with PE terminal and N terminal			
With red rotary handle and yellow locking collar	As an emergency switching off/ emergency stop device To IEC/EN 60204-1, VDE 0113 Part 1	T0-.../E, .../Z T3-.../E, .../Z	V/EA/SVB-T0
		T5(B)-.../E, .../Z	V/EA/SVB-T5
With black rotary handle and black locking collar	Without emergency switching off/ emergency stop function	T0-.../E, .../Z T3-.../E, .../Z	V/EA/SVB-SW-T0
		T5(B)-.../E, .../Z	V/EA/SVB-SW-T5
Thumb-grips			
Black		T0-.../E, .../EZ, .../IVS, .../Z, .../I1 T3-.../E, .../EZ, .../IVS, .../Z, .../I2 P1-.../E, .../EZ, .../IVS, .../Z, .../I2	KNB-T0
Red	Only for emergency switching off/ emergency stop switches To IEC/EN 60204-1, VDE 0113 Part 1	T0-.../E, .../IVS, .../Z, .../I1 T3-.../E, .../IVS, .../Z, .../I2 P1-.../E, .../IVS, .../Z, .../I2	KNB-RT-T0
Black		T5(B)-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	KNB-P3
Red	Only for emergency switching off/ emergency stop switches To IEC/EN 60204-1, VDE 0113 Part 1	T5(B)-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	KNB-RT-P3
Maintenance key for interlocked main switches			
Maintenance key		T0... P1...	KNK-T0
Maintenance key		P3...	KNK-P3

Cam switches

Description	For use with	Withdrawability	Item no.
S-T0 key operated lock mechanism, front IP53			
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
KMS 2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems. Key withdrawable in all positions	T0-1.../I1 to T0-4.../I1 T0-1.../E to T0-6.../E T0-1.../Z to T0-6.../Z		S-SOND-KMS(*)-T0
Lock KMS1: Switches with FS908 are possible as main switch. Key can be withdrawn in positions as specified	T3-1.../E to T3-5.../E T3-1.../Z to T3-5.../Z T3-1.../I2 to T3-4.../I2		S(*)-T0
SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the full configuration of the envisaged 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	P1-.../E P1-.../I2 P1-.../Z	Withdrawable positions programmed at factory as ordered	S(*)-SOND-SA(*)-T0
SVA-T3 cylinder lock, front IP65			
KMS 1 lock mechanism: individual lock mechanism, not suitable for master key systems Key withdrawable in all positions	T0-.../E, T0-.../I1, T0-.../Z	Withdrawable positions can be programmed by user	SVA-T3
KMS 2-10, KMS 201-400 lock mechanisms: individual lock mechanisms, not suitable for master key systems. Key withdrawable in all positions	T3-.../E, T3-.../I2, T3-.../Z P1-.../E, P1-.../I2, P1-.../Z		SVA-SOND-KMS(*)-T3
Lock KMS1: Switches with FS908 are possible as main switch. Key can be withdrawn in positions as specified			SVA(*)-T3
SA(...) = master key system (master-key facility) with security certificate. Ordering only with lock plan filled out with the full configuration of the envisaged 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	T0-1-... to T0-4-.../I1 T0-1-.../E to T0-4-.../E T3-1-... to T3-5-.../I2 T3-1-... to T3-6-.../E P1-.../I2, P1-.../E	Withdrawable positions programmed at factory as ordered	SVA(*)-SOND-SA(*)-T3
SVC-T3 padlocking feature, front IP65			
Il positions can be locked	T0-.../E, T0-.../I1, T0-.../Z T3-.../E, T3-.../I2, T3-.../Z P1-.../E, P1-.../I2, P1-.../Z	The positions that can be locked can be programmed by the user	SVC-T3
Specific positions or ranges can be locked	Switches with FS908 can be used as main switches for: T0-1-... to T0-4-.../ I1, .../E T3-1-... to T3-5-.../I2 T3-1-... to T3-6-.../E P1-.../I2, P1-.../E	The positions that can be locked are programmable at the factory as ordered	SVC(*)-T3



S-T0



SVA-T3



SVC-T3

Cam switches



N-P1E



PE-P5-125/160Z



HI21-P5-125/160Z



IVS-T0



UV-T0



ZAV-T0



ZAV-T0

Description		For use with	Item no.
Neutral conductor	For left or right side mounting	P1-.../E, .../EA, .../EZ	N-P1E
		P1-.../Z, .../N, .../I2, .../IVS	N-P1Z
	For P1-.../I2: optionally, N-P1Z or HI11-P1/P3Z, can only be fitted on the left	P3-.../E, .../EA...	N-P3E
		P3-.../Z, .../N, .../IVS P3-63.../Z, .../I4 P3-100.../Z, .../I5	N-P3Z
Neutral terminal		P5-125(160)/E(EA)	N-P5-125/160E
		P5-125(160)/Z(V)	N-P5-125/160Z
		P5-250(315)/E(EA)	N-P5-250/315E
		P5-250(315)/Z(V)	N-P5-250/315Z
Ground terminal		P5-125(160)/E(EA)	PE-P5-125/160E
		P5-125(160)/Z(V)	PE-P5-125/160Z
		P5-250(315)/E(EA)	PE-P5-250/315E
		P5-250(315)/Z(V)	PE-P5-250/315Z
Auxiliary contacts	1 normally open (N/O), 1 normally close contact (N/C) - For left and/or right side mounting	P1-.../E, .../EA..., .../EZ P3-.../E, .../EA	HI11-P1/P3E
	For P1.../I2: optionally, HI11-P1/P3Z or N-P1Z, can only be fitted on the left	P1-.../Z, .../N, .../I2, .../IVS P3-63/Z, .../N, .../I4, .../IVS P3-100/Z, .../N, .../I5, .../IVS	HI11-P1/P3Z
			P5-125(160)/E(EA)
		2 normally open (N/O), 1 normally close contact (N/C) - For left and/or right side mounting	P5-125(160)/Z(V) P5-250(315)/E(EA) P5-250(315)/Z(V)
Center mounting accessories	For cam switches with existing front plate - quick installation with snap fitting system	T0-.../E T3-.../E	EZ-T0
	Mounting diameter 22.3 mm, one man mounting with screw fixing	T0-.../E T3-.../E P1-.../E	EZ-P1
Service distribution board mounting accessories	For retrofitting in service distribution board mounting T0-.../IVS design. Use the basic switch's front plate.	0-.../XZ	IVS-T0
Coupling drive	For the retrofitting of switch T0(T3)-.../XZ as rear mounting, spare part for T0(T3)/(P1)-.../Z		DE-T0
	For the conversion of T5(B)-.../E flush mounting switch to rear mounting, spare part for T5(B)/(P3)-...Z		DE-P3
Interlock sections		T0-.../E, ...EZ, ...Z T3-.../E, ...EZ, ...Z P1-.../E, ...EZ, ...Z	UV-T0
		T5(B)-.../E, ...Z P3-.../E, ...Z	UV-P3
Interlock extensions	Use only with T0/T3-... and P3-.../Z designs	UV-T0	ZVV-T0
	Use only with T5(B)-.../Z and P3-.../Z designs	UV-P3	ZVV-P3
Shaft extensions		T0-.../Z, T0-.../N T3-.../Z, T3-.../N P1-.../Z, P1-.../N	ZAV-T0
		T5(B)-.../Z P3-.../Z P3-.../N	ZAV-P3
		P5-.../N... P5-.../Z	ZAV-P5
Interlock extensions and shaft extensions, complete	Extension to 25 mm When ordering with basic unit		+ZAV(X1)+ZV-V(X1)-T0/P3
Control cable terminal		P5-250/315	ST-P5-250/315

Cam switches

Description	For use with	Item no.
Shrouds	For flush mounting switches with up to 4 contact units T0-.../E T3-.../E	H3-T0
	For covering the connection terminals of up to 2 contact units T5(B)-.../E, .../Z	H1-T5
	Extension for H1-T5 protective shroud on 3 - 8 contact units H1-T5	HZ-T5
	For covering the connection terminals on 3 pole switch-disconnectors P1-.../E, .../EZ, .../Z, .../EA, .../N	H-P1
	For covering the connection terminals on 4 pole switch-disconnectors P1-...N, ...HI11, ...N...HI11	H-P14
	For covering the connection terminals on 3 pole open switch-disconnectors with N neutral conductor and/or HI11 auxiliary contact P3-.../E, .../Z, .../EA, .../N P3-...N, ...HI11, ...N...HI11	H-P3
	For covering the terminals P5	H-P5-125/160 H-P5-250/315
Set (6 units) for covering the connection terminals T8-3-8342/...	H-T8	
Key	For KMS 1 individual lock mechanism	ES-KMS1-T0
	For KMS 2 - 10 or KMS 201 - 400 individual lock mechanism	ES-KMS(*)-T0
	Individual key, stainless, for master key system and stored individual lock mechanisms, state lock plan no. and key.	HS-SA(*)-T0
Locking cams (2 cams per set)	For later change of key withdrawability in the engagement positions S-T0 for all switching angles	VR-T0
	For changing the blocked positions/ranges SVA-T3 SVC-T3	VR-T3
Mounting plate shield	To connect the shielding CI-K2	MBS-I2
	To connect the shielding CI-K4	MBS-I4



H1-t5



VR-T0



MBS-I2

Description	For use with	Item no.	
IP65 insulated enclosures	1 - 2 contact units	T0-.../Z	CI-K1-T0-2
	3 - 4 contact units	T0-.../Z	CI-K1-T0-4
	1 - 2 contact units	With pushthrough cable entry diaphragm. T3-.../Z	CI-K2-T3-2
	3 - 4 contact units		CI-K2-T3-4
	5 contact units	T3-.../Z	CI-K2-T3-5
	1 - 2 contact units	T0-.../Z	CI-K1H-T0-2
	3 - 4 contact units	T0-.../Z	CI-K1H-T0-4
	1 - 2 contact units	T3-.../Z	CI-K2H-T3-2
	3 - 4 contact units	T3-.../Z	CI-K2H-T3-4
	5 contact units	T3-.../Z	CI-K2H-T3-5
	1 - 2 contact units	With metric knockouts T5B-.../E	CI-K4-T5B-2
	3 - 4 contact units		CI-K4-T5B-4
	1 - 2 contact units	T5-.../Z	CI-K5-T5-2
	3 - 4 contact units	T5-.../Z	CI-K5-T5-4
	Only available together with basic unit	T0-.../I1	+I1H
Only available together with basic unit	T3-.../I2 P1-.../I2	+I2H	
Neutral terminals	CI-K2-PKZ0-...	K-CI-K1/2	
	T5B-.../I4, CI-K4-T5B-... P3-.../I4, CI-K4	K-CI-K4	
	T5-.../I5, CI-K5-T5-... P3-.../I5, CI-K5	K-CI-K5	
Set of external fixing brackets	T5B-.../I4, T5-.../I5, P3-63/I4, P3-100/I5	AB-CI-K4/5	
Set of extension terminals	For the bottom contact unit T5B-.../I4	AW-T5-1/2	
	For the second contact unit from the bottom T5-.../I5	AW-T5-3/4	



CI-K1-T0-2



K-C1-K5

Cam switches, Indication, Pushbuttons

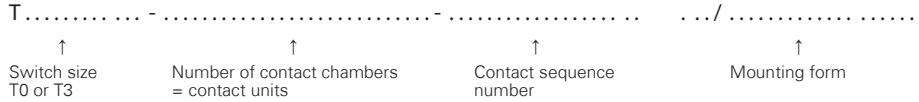
Cam switches

Cam switches can be used for many switching and control applications. For example as 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 chamber (contact unit = BE) contains 1 or 2 contacts.

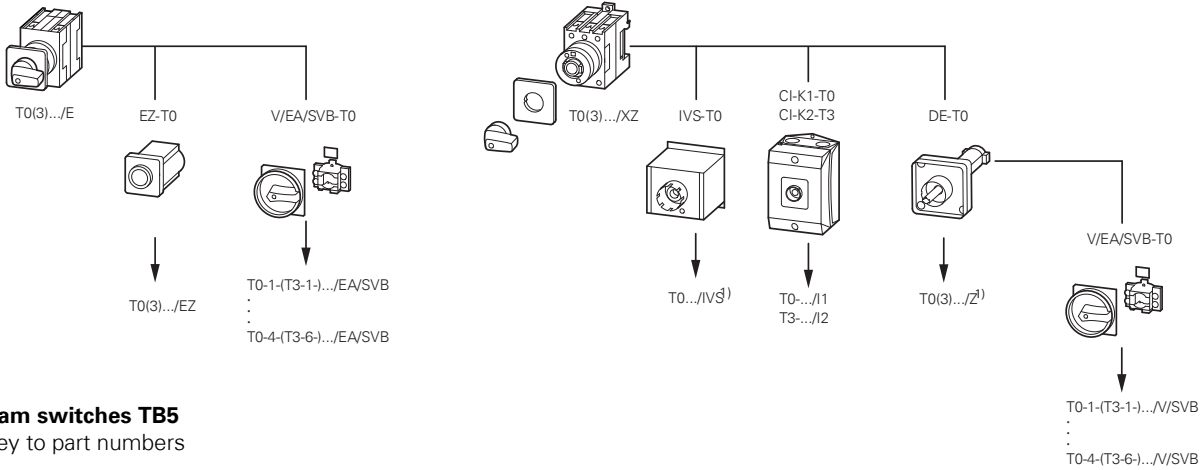
Our "T Cam Switches" catalog has over 800 popular standard contact sequences. The following pages feature a selection of our standard contact sequences. T cam switches and P switch-disconnectors are manufactured without PCB, CFC, asbestos and silicon. The contacts are cadmium free. The CI-K... insulated enclosures are silicon and halogen free.

Cam switches T0 and T3

Key to part numbers

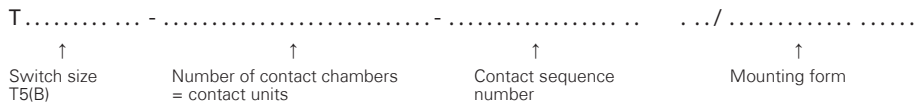


Using the modular system to convert the mounting form

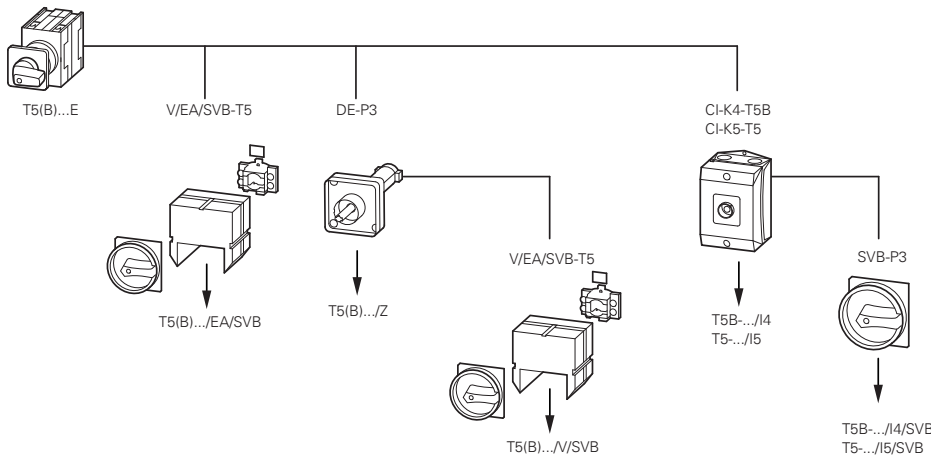


Cam switches TB5

Key to part numbers

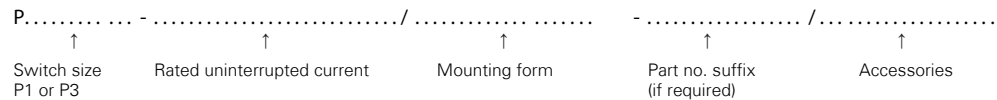


Using the modular system to convert the mounting form T5B

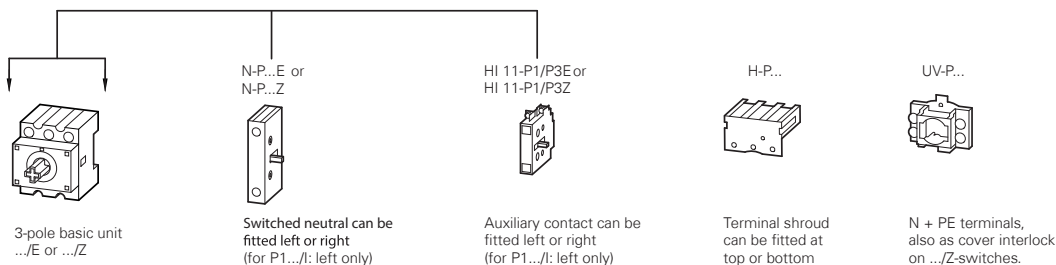


Switch-disconnectors P1 and P3

Key to part numbers



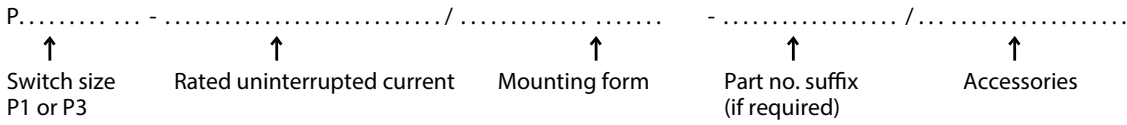
Add-on functions due to modular systems



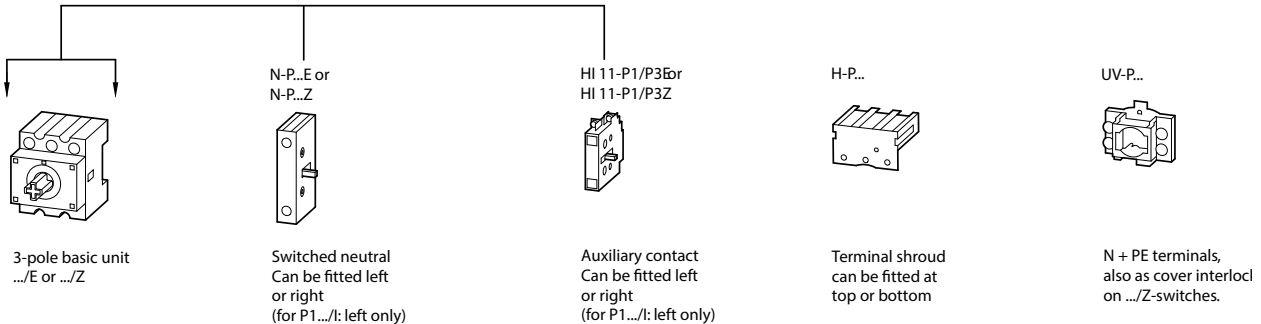
Cam switches

Switch-disconnectors P1 and P3

Key to part numbers



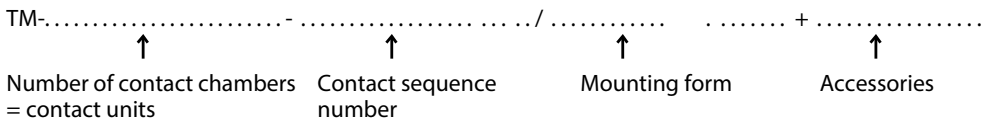
Add-on functions due to modular system



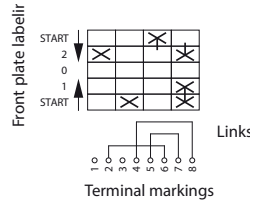
TM mini cam switches

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

Key to part numbers



Circuit representation



(see also ordering example in the electronic catalogue)

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

Switch-Disconnectors

T0, P1 and P3 enclosed switch-disconnectors with pre-assembled steel EMC screen

Electromagnetic compatibility (EMC) refers to the ability of the device to function despite electromagnetic disturbances in the environment without electromagnetically disturbing other devices in the surroundings.

The operation of three-phase motors is becoming more and more common via variable speed drives or frequency inverters, and the use of such equipment can cause EMC disturbance to rise significantly. If interruption cannot be avoided, then an ideal mitigation method to maintain EMC compliance is to clamp the screened cables to a steel screening plate.

We have now enlarged our reliable CI-K offering with a range of enclosed Switchdisconnectors with pre-assembled steel screening plates for applications where EMC compliance is necessary. The new enclosed products feature units with current ratings of 20 A to 63 A, and can be used for motor applications up to 30 kW (AC-23A) for 415 V nominal current.

- Well known Reliable Eaton Series switchgear
- Robust IP65 Polycarbonate compact enclosures
- Cable clamps provide robust and trouble free connection to the screening plate
- A range of cable clamps to suit all cable diameters is supplied as standard
- Various Auxiliary switch options to suit customer needs
- Red/Yellow or Black lockable handle options.



Description	Max. Amp. rating	Motor Rating AC-23A, 415 V	Item no.
3P, red/yellow handle	20 A	5.5 kW	T0-2-1/I2H/MBS/SVB
3P, black handle	20 A	5.5 kW	T0-2-1/I2H/MBS/SVB-SW
3P + N, red/yellow handle	20 A	5.5 kW	T0-2-8900/I2H/MBS/SVB
3P + N, black handle	20 A	5.5 kW	T0-2-8900/I2H/MBS/SVB-SW
3P + 1 NO, red/yellow handle	20 A	5.5 kW	T0-2-15679/I2H/MBS/SVB
3P + 1 NO, black handle	20 A	5.5 kW	T0-2-15679/I2H/MBS/SVB-SW
3P + N + 1 NO / 1 NC, red/yellow handle	20 A	5.5 kW	T0-3-15680/I2H/MBS/SVB
3P + N + 1 NO / 1 NC, black handle	20 A	5.5 kW	T0-3-15680/I2H/MBS/SVB-SW
3P + 2 NO / 1 NC, red/yellow handle	20 A	5.5 kW	T0-3-15683/I2H/MBS/SVB
3P + 2 NO / 1 NC, black handle	20 A	5.5 kW	T0-3-15683/I2H/MBS/SVB-SW
6P + 1 NO / 1 NC, red/yellow handle	20 A	5.5 kW	T0-4-15682/I2H/MBS/SVB
6P + 1 NO / 1 NC, black handle	20 A	5.5 kW	T0-4-15682/I2H/MBS/SVB-SW
3P, red/yellow handle	25 A	11 kW	P1-25/I2H/MBS/SVB
3P, black handle	25 A	11 kW	P1-25/I2H/MBS/SVB-SW
3P + 1 NO / 1 NC, red/yellow handle	25 A	11 kW	P1-25/I2H/MBS/SVB/Hi11
3P + 1 NO / 1 NC, black handle	25 A	11 kW	P1-25/I2H/MBS/SVB-SW/Hi11
3P, red/yellow handle	32 A	15 kW	P1-32/I2H/MBS/SVB
3P, black handle	32 A	15 kW	P1-32/I2H/MBS/SVB-SW
3P + 1 NO / 1 NC, red/yellow handle	32 A	15 kW	P1-32/I2H/MBS/SVB/Hi11
3P + 1 NO / 1 NC, black handle	32 A	15 kW	P1-32/I2H/MBS/SVB-SW/Hi11
3P, red/yellow handle	63 A	30 kW	P3-63/I4/MBS/SVB
3P, black handle	63 A	30 kW	P3-63/I4/MBS/SVB-SW
3P + 1 NO / 1 NC, red/yellow handle	63 A	30 kW	P3-63/I4/MBS/SVB/Hi11
3P + 1 NO / 1 NC, black handle	63 A	30 kW	P3-63/I4/MBS/SVB-SW/Hi11

Accessories	Item no.
Empty enclosure with screening plate for T0-1	CI-K2H-T0-1-MBS
Empty enclosure with screening plate for T0-2	CI-K2H-T0-2-MBS
Empty enclosure with screening plate for T0-3, T0-4	CI-K2H-T0-4-MBS
Empty enclosure with screening plate for T3-1, T3-2	CI-K2H-T3-2-MBS
Empty enclosure with screening plate for T3-3, T3-4	CI-K2H-T3-4-MBS
Metal screening plate for CI-K2	MBS-I2
Metal screening plate for CI-K4	MBS-I4

Switch-Disconnectors

P1 and P3 switch-disconnectors with metal extension shafts

The P1 and P3 versions with Metal Extension Shafts fills a well know gap in the P Switch-Disconnecter range. This now opens up new potential in the Panel Building market and use in Machine Control Panels with disconnection from 25A - 100A. With the new extension shafts our reliable P switches can be mounted in electrical cabinets of up to 600mm deep and with several Handle and Shaft options a solution can be found for every application.

Also the most common types are available as a complete switch/shaft/handle package.

- Well known P Switch-Disconnecter performance and reliability with low power losses.
- Switches can quickly be mounted on DIN rail or fitted to the mounting plate.
- Time & cost saving – Switches available as complete packages saving on order admin, packaging and assembly time. Also available with pre-built switched N and Auxiliary contacts.
- Simple interlock in ON with SVB handle and lockable in OFF with up to 3 x 8mm padlocks.
- By using K Line handles door can also be interlocked in OFF position. Also a defeatable option in the ON position for fault finding without disconnecting the power supply.



P1-32/XM



KNB-P1/M



SVB-P1/M



K1DB/P



K2SDG/C



P1-32/M4/ HI11/SVB-SW

Description	Item no.	
Basic Switches type P../XM	3P 25A	P1-25/XM
	3P 32A	P1-32/XM
	3P 63A	P3-63/XM
	3P 100A	P3-100/XM
Metal Shafts	Shaft for 400mm deep cabinet	P1/P3-M400
	Shaft for 600mm deep cabinet	P1/P3-M600
Operating Handles Moeller series knobs and handles provide door interlock when in the ON position. SVB Main Switch Handles can be locked in OFF with up to 3 x 8 mm padlocks.	Black Knob for P1	KNB-P1/M
	Black Knob for P3	KNB-P3/M
	Lockable Main Switch Handle P1 Red/Yellow	SVB-P1/M
	Lockable Main Switch Handle P3 Red/Yellow	SVB-P3/M
	Lockable Main Switch Handle P1 Black	SVB-SW-P1/M
	Lockable Main Switch Handle P3 Black	SVB-SW-P3/M
K-Line 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 lock.	Knob for P1, Blue, padlockable	K1DB/P
	Knob for P1, Red/Yellow, padlockable	K1DR/P
	Knob for P1, Grey, padlockable	K1DG/P
	Knob for P3, Blue, padlockable	K2SDB/P
	Knob for P3, Red/Yellow, padlockable	K2SDR/P
	Knob for P3, Grey, padlockable	K2SDG/P
	Knob for P3, Blue, Cylinder lock/key	K2SDB/C
	Knob for P3, Red/Yellow, Cylinder lock/key	K2SDR/C
Knob for P3, Grey, Cylinder lock/key	K2SDG/C	
Switched N, Auxiliary Contacts	Switched Neutral for P1	N-P1Z
	Switched Neutral for P3	N-P3Z
	1 N/O, 1N/C for P1 or P3	HI11-P1/P3Z
Switch, Shaft and Handle combinations. Most combinations can be ordered as single packs to reduce order administration and packaging (only with 400 mm shaft). Here are some common examples:	25A 3P P1 switch, with shaft for 400 mm cabinet, with Lockable Main switch Handle, Red/Yellow	P1-25/M4/ SVB
	32A 3P P1 switch, with 1NO/1NC Auxiliary, shaft for 400mm cabinet, with Lockable Main switch Handle, black	P1-32/M4/ HI11/SVB-SW
	63A 3P P3 switch, with shaft for 400 mm cabinet, with K Line K2 Knob, padlockable, Red/Yellow	P3-63/M4/K2-PR