

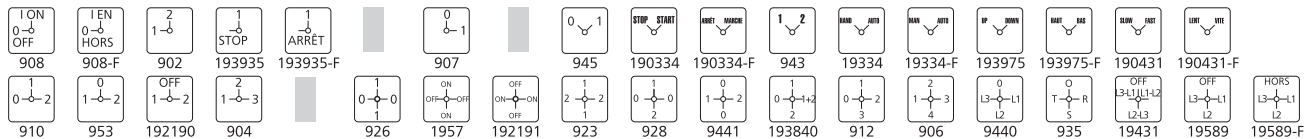
# Cam Switches T, Motor Disconnect Switches P Standard and Special Front Plates

Switch type	Dimensions  mm	Standard front plate		Emergency-Stop front plate yellow	
		Type Article No.	Price see price list	Type Article No.	Price see price list
T0, T3, P1	45 × 45 (frame size 48 × 48)	<b>FS...-T0</b> 231893		<b>FS908 GE-T0</b> 003198	
P3, T5B	84 × 84 (frame size 88 × 88)	<b>FS...-P3</b> 231895		<b>FS908 GE-P3</b> 031475	

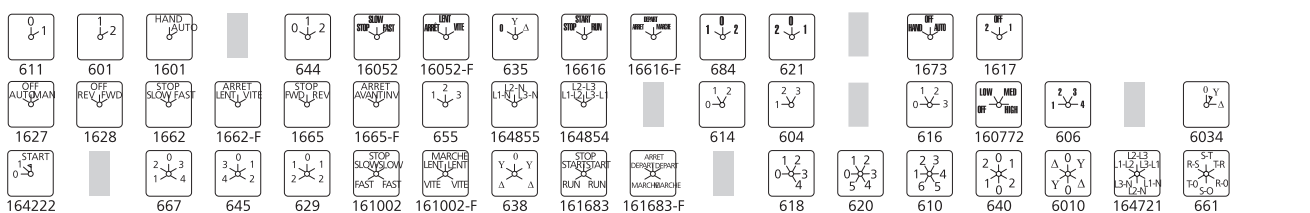
### Standard front plates Black lettering on light gray background

The standard front plates shown here should be used for non-standard switches wherever possible. The front plates shown throughout the catalog, that are supplied with standard switches can be exchanged for any of the ones shown here at the time of the order, at no extra charge. The prerequisite is that switching angles, the number of positions and the location of position 0 must be identical. To order a different front plate, just add the FS... number shown below to the switch.  
Example: T0-1-8210/E+FS161570

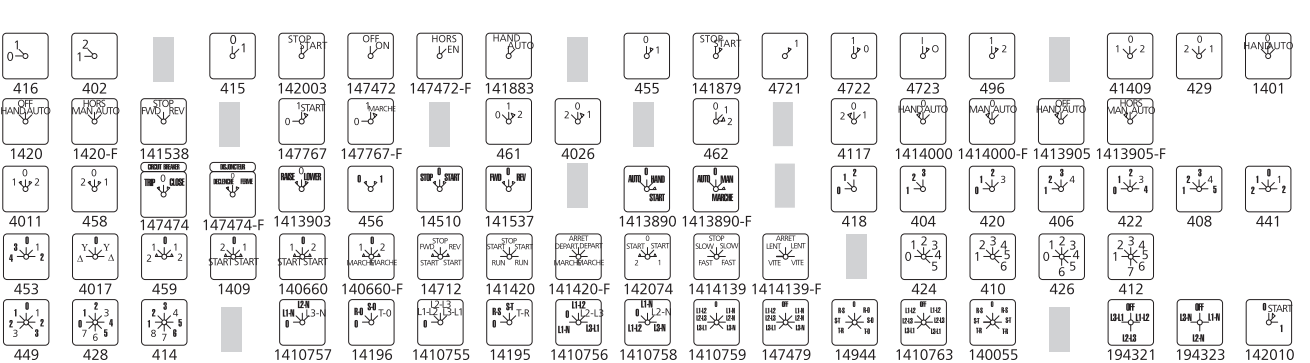
#### Switching angle 90°



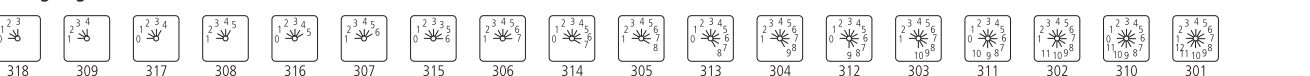
#### Switching angle 60°




#### Switching angle 45°



#### Switching angle 30°



# Cam Switches T, Motor Disconnect Switches P Front Plates

Blank plates can be engraved		Non-standard front plates		Non-standard front plates	
Type Article No.	Price see price list	Type Article No.	Price see price list	Height of letters	
				≤ 2 characters	> 2 characters
				mm	mm
FS980-T0 003199		FS-SOND-ERSTBESTELLUNG-T0 <sup>1)</sup> 225355		4	3
FS980-P3 043340		FS-SOND-ERSTBESTELLUNG-P3 <sup>2)</sup> 225356		8	5

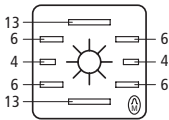
**Non-standard front plates**

1) = first order; for subsequent orders, use FS...-T0  
2) = first order; for subsequent orders, use FS...-P3

Inscription to order (note max. number of characters per section)  
The FS number will be sufficient for reordering purposes.  
Non-standard T0, T3, T5B switches: non-standard front plate included in price.

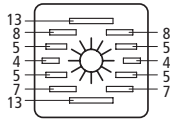
Switching angle  
90°/45°

Max. number of characters



FS-SOND-T0 (T3, T5B, P1, P3)

60°/30°

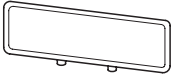
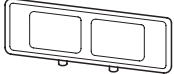


FS-SOND-T0 (T3, T5B)

**Standard front plates, arranged according to front plate numbers**

301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318
402	404	406	408	410	412	414	415	416	418	420	422	424	426	428	429	441	449
453	455	456	458	459	461	462	496	601	604	606	610	611	614	616	618	620	621
629	635	638	640	644	645	655	661	667	684	902	904	906	907	908	910	912	923
926	928	935	943	945	953	980	1401	1409	1420	1601	1617	1627	1628	1662	1685	1673	1957
4011	4017	4026	4117	4721	4722	4723	6010	6034	9440	9441	14195	14196	14510	14712	14944	16052	16616
19334	19431	19589	41409	140055	140660	141420	141537	141538	141879	141883	142003	142010	142074	147472	147474	147479	147767
160772	161002	161683	164222	164721	164854	164855	190334	190431	192190	192191	193840	193935	193975	194321	194323	1410755	1410756
1410757	1410758	1410759	1410763	1413890	1413903	1413905	1414000	1414200	1414390	1414390	1414390	1414390	1414390	1414390	1414390	1414390	1414390
908-F	1420-F	1662-F	19334-F	19589-F	140660-F	141400-F	141420-F	147472-F	147474-F	147767-F	190334-F	190431-F	193935-F	193975-F	1413890-F	1413905-F	1414390-F

## T Cam Switches, P Motor Disconnect Switches Accessories



For use with	Type suffix Article No.	Price see price list	Type Article No.	Price see price list
	when ordered with basic device		when ordered separately	
<b>Add-on front plates, clip on</b>				
				
For use with front plates and for padlocking features, Consisting of one label mount, black, and one insert label, grey colored				
Blank, can be engraved	T.../I2/SVB(-SW) and P.../I2/SVB(-SW) except .../I2.../IVS  T..., P..., except .../I2, 3 .../IVS	-	ZFS60-T0 019924	
With inscription <sup>1)</sup> Main Switch - open only in the OFF position	T.../E, T.../Z, P.../E, P.../Z			
62 = English		+ZFS62-T0 205500	ZFS62-T0 205534	
63 = French		+ZFS63-T0 065741	ZFS63-T0 047424	
68 = Italian		+ZFS68-T0 065745	ZFS68-T0 065751	
77 = Spanish		+ZFS77-T0 065746	ZFS77-T0 065752	
<b>Label mounts, black</b>				
				
	T.../I2/SVB(-SW) and P.../I2/SVB(-SW) except .../I2, .../IVS  T..., P..., except .../I2, 3.../IVS	-	ZFSX-T0 024670	

**Notes:**<sup>1)</sup> Inscriptions in other languages available upon request, consult Moeller Electric

## T Cam Switches, P Motor Disconnect Switches Accessories

Type suffix Article No.	Price see price list	Type Article No.	Price see price list
when ordered with basic device		when ordered separately	
-		<b>ZFS60-P3</b> 022297	ZFS...-T0 and ZFS...-P3 can be used for any T... and P... as required Dimensions with frame W × H = 48 × 17 mm Dimensions with frame W × H = 88 × 27 mm
			included as standard with T.../EA/SVB, P.../EA/SVB T.../V/SVB, P.../V/SVB
<b>+ZFS62-P3</b> 205517		<b>ZFS62-P3</b> 205551	
<b>+ZFS63-P3</b> 065743		<b>ZFS63-P3</b> 047423	
<b>+ZFS68-P3</b> 065748		<b>ZFS68-P3</b> 065754	
<b>+ZFS77-P3</b> 065749		<b>ZFS77-P3</b> 047422	
-		<b>ZFSX-P3</b> 027043	ZFSX...-T0 and ZFSX...-P3 can be used for any T... and P... switches, as required. Dimensions with frame W × H = 48 × 17 mm Dimensions with frame W × H = 88 × 27 mm

## T Cam Switches, P Motor Disconnect Switches Accessories

	For use with	Removability of keys	Type suffix Article No.  when ordered with basic device	Price see price list
<b>S-T0 Key-operator accessory, Front IP 53</b>				
Supplied with 2 keys				
				
Lock mechanism Type KMS 1 (individual locks, not suitable for master key systems)	T0-.../E, .../I2, .../Z up to 6 contact chambers	Standard re- movable key po- sitions pre- programmed from factory	<b>+S-T0</b> 001753	
Lock mechanism type KMS 2-10 <sup>1)</sup> Lock mechanism type KMS 201-400 <sup>1)</sup> (individual locks, not suitable for master key systems)	T3-.../E, .../I2, .../Z up to 5 contact chambers P1-.../E, .../I2, .../Z		<b>+S-SOND(KMS...)-T0</b> 231956	
		Custom remov- able key posi- tions pre- programmed from factory	<b>+S(*)-T0</b> 231958	
			<b>+S(*)-SOND-KMS(*)-T0</b> 231960	
			<b>+S(*)-SOND(SAE)-T0</b> 231962	
(SAE) = custom individual lock mechanism supplied with a security certificate (without master key)			<b>+S(*)-SOND-(SA...)-T0</b> 231964	
(SA...) = customized master key system supplied with a security certificate. <sup>2)</sup>				
<b>SVA-T3 Cylinder lock , Front IP 65</b>				
Supplied with 2 keys				
				
Key is removable in all positions				
Lock mechanism Type KMS 1 (individual locks, not suitable for master key systems)	T0-.../E, .../I2, .../Z T3-.../E, .../I2, .../Z P1-.../E, .../I2, .../Z	Removable key positions pre- programmed from factory	<b>+SVA-T3</b> 050962	
Lock mechanism type KMS 2-10 <sup>1)</sup> Lock mechanism type KMS 201-400 <sup>1)</sup> (individual locks, not suitable for master key systems)			<b>+SVA-SOND-KMS...-T3</b> 231966	
Key is removable in customer specified positions				
Lock mechanism Type KMS 1 Switches with FS 908 are suitable as main switches: T0-1-...to T0-4-.../I1, .../E T3-1-...to T3-5-.../I2 T3-1-...to T3-6- .../E P1-.../I2, .../E	T0-.../E, .../I2, .../Z T3-.../E, .../I2, .../Z P1-.../E, .../I2, .../Z	Removable key positions pre- programmed by factory per or- der specifica- tions	<b>+SVA(...)-T3</b> 907737	
Lock mechanism type KMS 2-10 <sup>1)</sup> Lock mechanism type KMS 201-400 <sup>1)</sup> (individual locks, not suitable for master key systems)			<b>+SVA(...)-SOND-KMS...-T3</b> 231968	
(SAE) = custom individual lock mechanism supplied with a security certificate (without master key)			<b>+SVA(...)-SOND-SAE-T3</b> 907736	
(SA...) = customized master key system supplied with a security certificate. <sup>2)</sup>			<b>+SVA(...)-SOND-(SA...)-T3</b> 231970	

**Notes:**

- <sup>1)</sup> Availability for KMS 1 locks is immediate. Please allow 4 - 6 weeks for KMS 2-10, 201-400 lock mechanisms and SA(E)-... master key assemblies.
- <sup>2)</sup> SA(E)-... master key systems are customized assemblies to fit individual plant setups. When ordering, fill out your desired master key layout plan using form FO 276, (available from any Moeller Electric office) and submit with your order. The master key system is supplied with a security certificate and a proprietary identification number. Reordering of keys and locks for that system can be made by referencing the ID number and the item's location in the master key system plan.  
Example: master key system # Z4711, position 7)

## T Cam Switches, P Motor Disconnect Switches Accessories

Removability of keys	Type Article No.	Price see price list
	when ordered separately	
Removable key positions programmed on site	<b>S-T0</b> 086709	
	<b>S-SOND(KMS...)-T0</b> 231957	
	<b>S(*)-T0</b> 231959	
	<b>S(*)-SOND-KMS(*)-T0</b> 231961	
	<b>S(*)-SOND(SAE)-T0</b> 231963	
	<b>S(*)-SOND-(SA...)-T0</b> 231965	
Removable key positions programmed on site	<b>SVA-T3</b> 050974	
	<b>SVA-SOND-KMS...-T3</b> 231967	
Removable key positions pre-programmed by factory per order specifications	<b>SVA(...)-T3</b> 907745	
	<b>SVA(...)-SOND-KMS...-T3</b> 231969	
	<b>SVA(...)-SOND-SAE-T3</b> 907744	
	<b>SVA(...)-SOND-(SA...)-T3</b> 231971	

### Notes

S-T0 can be used for P1-... motor disconnect switches, T0 cam switches with up to 6 contact chambers, and T3-... switches with up to 5 chambers.

The key replaces the thumb-grip handle and switching without the key is not possible. The switch position indicator is on the locking mechanism. In standard applications, the key is removable in each switch position. Switches using FS 908 as a name plate (90°, ON-OFF) are supplied standard with the key removable in the OFF position only. However, the user can select new positions in which the key can be withdrawn by means of locking cam accessory VR-T0.

The switching angle is determined by the switch and cannot be modified in the field.

Lock mechanism: standard KMS 1 (CES lock)  
Additional lock mechanisms and master key systems are also available upon request.

SVA-T3 will fit on all T0, T3 and P1 switches. Switching is carried out using the thumb-grip handle. Turning the key will lock in the position and the key can be removed. Supplied as standard, all positions can be locked. In case of subsequent installation use the front plate supplied with switch for position locations.

Standard lock mechanism: type KMS 1 (CES lock)

If required, additional lock mechanisms can be used, and if planned in advance, master key systems as well. If desired, individual positions or an entire portion of a switching range can be pre-programmed for locking (this can be done in the field using the VR-T3 locking cam accessory).

The key cannot be withdrawn from positions which are not lockable. In locked ranges, switching without a key is only possible within that range. Lockable positions or ranges are determined as follows:

Example 1: SVA(A)-T3 only position A is locked

Example 2: SVA(A,E)-T3 positions A and E are locked

Example 3: SVA(A-J)-T3 positions A through J are locked (range)

Example 4: SVA(S)-T3 main disconnect switch, fulfilling also the Emergency-Stop

function per IEC/EN 602-4-1, with red handle and yellow

front plate. Suitable as "panic switch" with lockable

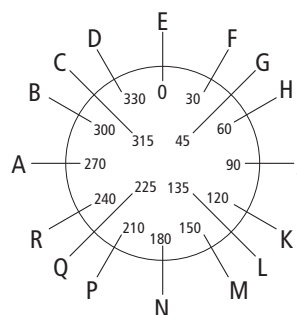
positions A(OFF) and E(ON); switching remains possible

from ON to OFF (E to A) without a key, but not from OFF

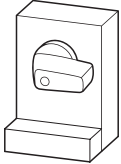
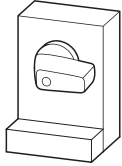



to ON (A to E).

If the accessories are field installed, use the front plate supplied with the switch for position indication.

Letter S designates panic lock switch with Emergency-Stop FS908GE front plate (yellow)



## T Cam Switches, P Motor Disconnect Switches Accessories

	For use with	Interlocking provisions	Type Suffix Article No. when ordered with basic device	Price see price list
<b>SVC-T3 Padlocking feature, Front IP 65</b>				
The locking slide can be padlocked in the pushed-in position with up to 3 padlocks				
				
All switch positions can be locked	T0-.../E, .../I2, .../Z T3-.../E, .../I2, .../Z P1-.../E, .../I2, .../Z	interlocked positions pre-programmed from factory	<b>+SVC-T3</b> 050963	
Specified positions or ranges need to be locked	T0-1-... up to T0-4-.../I2, .../E T3-1-... up to T3-5-.../I2 T3-1-... up to T3-6-.../E P1-.../I2, .../E	interlocked positions programmed by factory per order specifications	<b>+SVC(...)-T3</b> 907740	
<b>DTV-T3 Push-release interlock, Front IP 65</b>				
This accessory allows a position to be switched only after the push-release locking slide has been pushed in. Should the push-release locking slide be padlocked in its released state, the device cannot be operated..				
				
	T0-.../E, .../I2, .../Z T3-.../E, .../I2, .../Z P1-.../E, .../I2, .../Z padlockable with up to 2 padlocks	interlocked positions pre-programmed from factory	<b>+DTV-T3</b> 050961	
Specified positions need to be locked. Push-release locking slide can be padlocked in its released state with up to 2 padlocks.		interlocked positions programmed by factory per order specifications	<b>+DTV(...)-T3</b> 907733	
<b>Locking cams (2 cams per set)</b>				
Select this accessory to change the position in which key can be removed	S-T0 for all switching angles		-	
				
Select this accessory to change the position or ranges in which the switch can be locked.	SVA-T3, SVC-T3, for all switching angles For DTV-T3: order 2 x VR-T3		-	
				
<b>Spare keys</b>				
				
For individual lock mechanisms Type KMS 1	S-T0, SVA-T3		-	
For KMS 2 – 10 or KMS 201 – 400 individual lock mechanisms	S-T0, SVA-T3		-	
For master key systems and registered lock mechanisms; specify assigned plan number and the lock number position.	S-T0, SVA-T3		-	

## T Cam Switches, P Motor Disconnect Switches Accessories

Interlocking provisions	Type Article No.	Price
	when ordered separately	see price list
interlocked positions programmed on site	<b>SVC-T3</b> 050975	
interlocked positions programmed by factory per order specifications	<b>SVC(...)-T3</b> 907748	
	-	
	-	
	<b>VR-T0</b> 089082	
	<b>VR-T3</b> 050987	
	<b>ES-KMS1-T0</b> 231972	
	<b>ES-KMS(*)-T0</b> 231973	
	<b>ES-KMS-SA(*)-T0</b> 231974	

**Notes:**

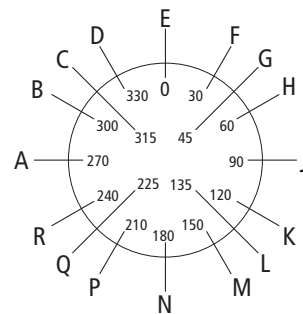
SVC-T3 will fit on all T0, T3 and P! switches. Switching is carried out using the thumb-grip handle. Pushing in the locking slide will interlock the position, which can then be padlocked off with up to 3 padlocks. Supplied as standard, all positions can be interlocked. With the SVC(...)-T3 accessory only those positions or ranges specified will be interlockable. In interlocked ranges, switching without removal of the padlocks is only possible within that range.

In similar fashion to the SVA(...)-T3 accessory shown on the previous pages, the interlockable positions or ranges for the SVC(...)-T3 and the locked positions and ranges for the DTV(...)-T3 are to be specified as follows:

- Example 1: SVC(A)-T3 only position A is locked
- Example 2: SVC(A,E)-T3 positions A and E are locked
- Example 3: SVC(A-J)-T3 positions A through J are locked (range)
- Example 4: DTV(G)-T3 push-release mechanism needs to be actuated (pushed in) to allow switching of position G.
- Example 5: SVC(S)-T3 main disconnect switch, fulfilling also the Emergency-Stop function per IEC/EN 602-4-1, with red handle and yellow front plate. Suitable as "panic switch" with lockable positions A(OFF) and E(ON); switching remains possible from ON to OFF (E to A) without a key, but not from OFF to ON (A to E).

If the accessories are field installed, use the front plate supplied with the switch for position indication.


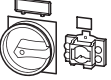



Letter S designates panic lock switch with Emergency-OFF FS908GE front plate (yellow)



Master keys must always be ordered separately. Send or submit the security certificate with repeat orders. For SA(...), the precise designation of the key must be stated.  
Example: ES-KMS-SA(A6294-1/2)-T0



## T Cam Switches, P Motor Disconnect Switches Accessories

	For use with	Type Suffix Article No.	Price
		when ordered with basic device	see price list
<b>Main switch assembly kits</b>			
			
Padlocking feature, exclusively for main disconnect switches, to permit them to be used as Emergency-Stop devices <sup>1)</sup> Admissible for T0-... up to 4 contact chambers (8 contacts) and up to 6 chamber (12 contacts) for T3-...	T0-.../E, .../Z, .../I2 T3-.../E, .../Z, .../I2 P1-.../E, .../Z, .../I2	<b>+SVB-T0</b> 026450	
	T5B-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	<b>+SVB-P3</b> 026364	
Padlocking feature, exclusively for main disconnect switches without Emergency-Stop function Black handle, black locking collar Admissible for T0-... up to 4 contact chambers (8 contacts) and up to 6 chamber (12 contacts) for T3-...	T0-.../E, .../Z, .../I2 T3-.../E, .../Z, .../I2 P1-.../E, .../Z, .../I2	<b>+SVB-SW-T0</b> 076917	
	T5B-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	-	
<b>Main switch assembly kits, with PE terminals and N terminal</b>			
			
Padlocking feature, exclusively for main disconnect switches, to permit them to be used as Emergency-Stop devices <sup>1)</sup> Admissible for T0-... up to 4 contact chambers (8 contacts) and up to 6 chamber (12 contacts) for T3-...	T0-.../E, .../Z T3-.../E, .../Z	-	
	T5B-.../E, .../Z	-	
Padlocking feature, exclusively for main disconnect switches without Emergency-Stop function Black handle, black locking collar Admissible for T0-... up to 4 contact chambers (8 contacts) and up to 6 chamber (12 contacts) for T3-...	T0-.../E, .../Z T3-.../E, .../Z	-	
	T5B-.../E, .../Z	-	
<b>Thumb-grip handles</b>			
			
black	T0-.../E, .../EZ, .../IVS, .../Z, .../I2 T3-.../E, .../EZ, .../IVS, .../Z, .../I2 P1-.../E, .../EZ, .../IVS, .../Z, .../I2	-	
red	T0-.../E, .../IVS, .../Z, .../I2 T3-.../E, .../IVS, .../Z, .../I2 P1-.../E, .../IVS, .../Z, .../I2	<b>+KNB-RT-T0</b> 003214	
			
black	T5B-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	-	
red	T5B-.../E, .../Z, .../I4 P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	<b>+KNB-RT-P3</b> 003215	
<b>Maintenance handle</b>			
designed for cover interlocked switches mounted in panels	T0-.../V, T3-.../V, P1-.../V	-	
	T5B-.../V, P3-.../V	-	

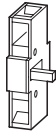



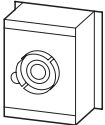
**Notes:**

<sup>1)</sup> Main disconnect switches which fulfill the function of Emergency-Stop have red handles and yellow collars and are padlockable in the OFF position (IEC/EN 60 204-1).

## T Cam Switches, P Motor Disconnect Switches Accessories

Type Article No.	Price	Notes:
when ordered separately	see price list	
<b>SVB-T0</b> 057892		For locking in the OFF position. Exclusive for 90° switching angle switches such as the ones using FS 908(GE) as a front plate. Will accept a maximum of 3 padlocks.
<b>SVB-P3</b> 052999		Note: The red and yellow colored handles should be used only if the switch fulfills the function of Emergency-Stop. Otherwise, select the black version for Main Disconnect applications.
<b>SVB-SW-T0</b> 060265		Same as above, except that, on demand, handle can also be locked in the ON position (not permissible for red-yellow Emergency-Stop versions). Will accept a maximum of 3 padlocks.3
<b>SVB-SW-P3</b> 062491		Padlocks with KMS lock mechanism, type 219/38 (KMS....): please inquire
<b>V/EA/SVB-T0</b> 062638		These kits can be used to convert from one mounting form to another: <ul style="list-style-type: none"> <li>• T.../E cover mounting switches (with front plate FS908 and thumb-grip handle) into T.../EA/SVB... cover mounting main disconnect switches with padlockable handle</li> <li>• T.../Z base mounting switches (with front plate FS908 and thumb-grip handle) into T.../V/SVB base mounting main disconnect switches with padlockable handle and cover interlock feature.</li> </ul> Note: the red and yellow colored handles should be used only if the switch fulfills the function of Emergency-Stop. Otherwise, select the black version for main disconnect applications
<b>V/EA/SVB-T5</b> 045065		
<b>V/EA/SVB-SW-T0</b> 065011		
<b>V/EA/SVB-SW-T5</b> 045064		
<b>KNB-T0</b> 038909		
<b>KNB-RT-T0</b> 043655		The red colored handle is used internationally to denote an Emergency-Stop function and should be combined with the yellow colored name plate, type FS 908GE-T0. Order separately.
<b>KNB-P3</b> 041282		
<b>KNB-RT-P3</b> 046028		The red colored handle is used internationally to denote an Emergency-Stop function and should be combined with the yellow colored name plate, type FS 908GE-P3. Order separately.
<b>KNK-T0</b> 000650		Base mounted main disconnect switches have a cover interlock feature which prevents inadvertent opening of a control panel door when the switch is in the ON position. Per EN 60 204-1, part 1 (Machinery Directive standard), KNK-... handles are specially designed to defeat the interlock and permit authorized personnel to switch the disconnect ON and OFF when the panel door is open in order to perform routine panel maintenance or troubleshooting tasks.
<b>KNK-P3</b> 000649		

## T Cam Switches, P Motor Disconnect Switches Accessories



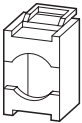

	For use with	Type Suffix Article No. when ordered with basic device	Price see price list
<b>Neutral poles</b>			
Early-make, late-break - for international use only. Not UL/CSA approved.			
			
Can be mounted to the left and/or right of a 3-pole P... disconnect switch	P1-.../E, .../EA, .../EZ	-	
with P1-.../I2: optional N-P1Z or HI11-P1/P3Z can only be mounted to the left	P1-.../Z, .../N, .../I2, .../IVS	<b>+N-P1Z</b> 000416	
	P3-.../E, .../EA...	-	
	P3-.../Z, .../N, .../IVS P3-63/E, .../Z, .../I4 P3-100/E, .../Z, .../I5	<b>+N-P3Z</b> 009036	
<b>Auxiliary contacts</b>			
1 N.O., 1 N.C. contact (2 modules maximum per 3 pole switch)			
			
Can be mounted to the left and/or right of a 3-pole P... disconnect switch	P1-.../E, .../EA..., .../EZ P3-.../E, .../EA	<b>+HI11-P1/P3E</b> 064100	
With P1-.../I2: optional HI11-P1/P3Z or N-P1Z can only be mounted to the left	P1-.../Z, .../N, .../I2, .../IVS P3-63/Z, .../N, .../I4, .../IVS P3-100/Z, .../N, .../I5, .../IVS	<b>+HI11-P1/P3Z</b> 064526	
<b>Mounting aids</b>			
Will enable a cover mounted switch to mount in a 22.5 mm opening (same as a 22.5 mm pilot device)			
			
With front plate	T0-.../E, T3-.../E	<b>+EZ-T0</b> 001750	
Without front plate (to accommodate custom engraved front plate)	T0-.../E, T3-.../E	<b>+EZ/OFS-T0</b> 001751	
For both 22,5 mm and 30,5 mm openings	T0-.../E, T3-.../E, P1-.../E	<b>+EZ-P1</b> 026222	
			
<b>Cover for base mounted T0 switches</b>			
Supplied with plug-in shaft to accommodate handle			
	T0-.../XZ	<b>+IVS-T0</b> 045472	
			

**T Cam Switches, P Motor Disconnect Switches**

## Accessories

Type Article No. when ordered separately	Price see price list	
<b>N-P1E</b> 000651		The neutral contact is always early-make late-break
<b>N-P1Z</b> 000652		Switching capacity of N-P1 is equivalent to P1-32... contacts
<b>N-P3E</b> 062432		The neutral contact is always early-make late-break
<b>N-P3Z</b> 064805		Switching capacity of N-P3 is equivalent to P3-100... contacts
<b>H111-P1/P3E</b> 061813		The N.O. auxiliary contact is always switching as a load shedding contact, i.e. it operates as a late make-early break contact with respect to the main power (L1, L2, L3) contacts
<b>H111-P1/P3Z</b> 062031		This feature is especially designed to insure that, when switching OFF the main disconnect, certain critical circuits will be de-energized prior to opening of the main contacts.
<b>EZ-T0</b> 081622		The switch snaps into place and speeds up mounting in panel walls, plates and doors. Will also accommodate legend plates from the RMQ-Titan line of control circuit devices.
<b>EZ/OFS-T0</b> 001869		
<b>EZ-P1</b> 091455		Permits one-person mounting of the switch in a 22.5mm or 30.5 mm opening. Mounting is done with screws. Will also accommodate legend plate from the RMQ-Titan line of control circuit devices.
<b>IVS-T0</b> 091114		Cover for base mounted, open style panel switch. Supplied with a shaft to accommodate a thumb-grip handle. Will also accommodate front plate supplied with the switch.

## T Cam Switches, P Motor Disconnect Switches Accessories

	For use with	Type Suffix Article No. when ordered with basic device	Price see price list
<b>Coupling drive</b>			
Supplied with plug-in shaft to accommodate handle			
			
Linking mechanism used in the conversion of a basic switch T0(3)-.../XZ into a base mounted version .../Z.		-	
For the conversion of T5B-.../E cover mounted switches into T5B-.../Z base mounted switches.		-	
<b>Interlock sections</b>			
			
Provides cover mounted switches with 2 terminals for PE and N conductor connection.	T0-.../E, .../EZ T3-.../E, .../EZ P1-.../E, .../EZ	<b>+UV-T0</b> 038519	
	T5B-.../E P3-.../E	<b>+UV-P3</b> 030402	
Provides base mounted switches with a cover or door interlock with PE and N conductor connection	T0-.../Z T3-.../Z P1-.../Z	<b>+UV-T0</b> 038519	
	T5B-.../Z P3-.../Z	<b>+UV-P3</b> 030402	
<b>Cover interlock extensions <sup>1)</sup></b>			
Max. of 4, 25 mm each, can be plugged onto interlock section (an equal number of shaft extensions is required for this purpose)	UV-T0	<b>+ZVV-T0</b> 024662	
	UV-P3	<b>+ZVV-P3</b> 024379	
			
<b>Shaft extensions</b>			
Max. of 4, 25 mm each, can be plugged onto switch shaft	T0-.../Z T3-.../Z P1-.../Z	<b>+ZAV-T0</b> 023736	
	T5B-.../Z P3-.../Z	<b>+ZAV-P3</b> 026623	
			

**Notes:**

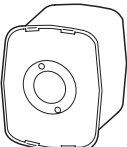
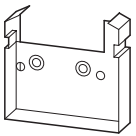
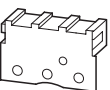
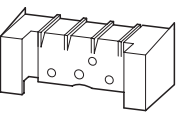
<sup>1)</sup> Use ZVV-T0 only with T0/T3-.../Z and P1-.../Z  
Use ZVV-P3 only with T5B-.../Z and P3-.../Z

## T Cam Switches, P Motor Disconnect Switches

### Accessories

Type Article No. when ordered separately	Price see price list	
<b>DE-T0</b> 093487		Can also be stocked as a spare part for the T0(3)(P1)-.../Z switch
<b>DE-P3</b> 093972		Can also be stocked as a spare part for the T5B(P3)-.../Z switch.
<b>UV-T0</b> 019925		Featuring a set of terminals for connection of ground (PE) and neutral (N) conductors and mounts on the back side of the cover mounted switch to provide easier access to these terminals.
<b>UV-P3</b> 048289		
<b>UV-T0</b> 019925		With base mounted switches, the accessory mounts on the front of the switch and, in addition to providing a set of PE and N terminals, functions as a cover interlock to prevent opening of the panel door when the switch is in the ON position.
<b>UV-P3</b> 048289		
<b>ZVV-T0</b> 022298		Refer to page 07/70 for information on matching switch heights when mounting into an enclosure.
<b>ZVV-P3</b> 024671		
<b>ZAV-T0</b> 027044		Refer to page 07/70 for information on matching switch heights when mounting into an enclosure.
<b>ZAV-P3</b> 029417		

## T Cam Switches, P Motor Disconnect Switches Accessories

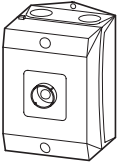
	For use with	Type Suffix Article No. when ordered with basic device	Price see price list
<b>Switch and terminal covers</b> for cover mounted switches with up to 4 contact chambers 	T0-.../E T3-.../E P1-.../E	-	
			
Cover for protection of terminals For up to 2 contact chambers	T5B-.../E, .../Z	-	
Extension of H1-T5 cover to protect up to 8 contact chambers	H1-T5	-	
To cover terminals on 3-pole open disconnect switch 	P1-.../E, .../EZ, .../Z, .../EA, .../V P1-...N, ...HI11, ...N...HI11	-	
To cover terminals on 3-pole open disconnect switch with N neutral conductor and/or HI11 auxiliary contact mounted 	P3-.../E, .../Z, .../EA, .../V P3-...N, ...HI11, ...N...HI11	-	

## T Cam Switches, P Motor Disconnect Switches Accessories

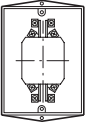

Type Article No. when ordered separately	Price see price list	
<b>H3-T0</b> 093828		Cable entries Quantity: 2 × Ø 20 mm + 2 × Ø 15 mm Cross-section: 5 × 6 mm <sup>2</sup> 5 × 2,5 mm <sup>2</sup>
<b>H1-T5</b> 045062		Can be used to shield incoming and/or outgoing conductors. Order 2 covers in the case of both.
<b>HZ-T5</b> 045063		1 HZ-T5 required per each additional contact chamber
<b>H-P1</b> 017253		Can be used to shield incoming and/or outgoing conductors. Order 2 covers in the case of both.
<b>H-P14</b> 019626		
<b>H-P3</b> 021999		Can be used to shield incoming and/or outgoing conductors. Order 2 covers in the case of both. The cover fits over the entire width of a 5 pole switch (3 power poles and 2 auxiliary modules). Unused portions of the cover can be broken off.



## Cam Switches, Motor Disconnect Switches Accessories

	For use with	Type Article No.	Price see price list
<b>Insulated enclosures IP 65</b>			
 <span style="border: 1px solid black; padding: 2px;">totally insulated</span>			
1 – 2 contact units	T0-.../XZ	CI-K2-T0-2-NA 255918	
3 – 4 contact units	T0-.../XZ	CI-K2-T0-4-NA 255920	
1 – 2 contact units	T3-.../XZ P1-...	CI-K2-T3-2-NA 255919	
3 – 4 contact units	T3-.../XZ	CI-K2-T3-4-NA 255921	
5 contact units	T3-.../Z	CI-K2-T3-5-NA 255922	
1 – 2 contact units	T5B-.../Z P3-63	CI-K4-T5B-2-NA 255923	
3 – 4 contact units	T5B-.../Z	CI-K4-T5B-4-NA 255925	
1 – 2 contact units	P3-100	CI-K5-T5-2-NA 255924	
3 – 4 contact units		CI-K5-T5-4-NA 255926	
<b>Set of external mounting brackets</b>			
	T5B-.../I4, T5-.../I5, P3-63/I4, P3-100/I5	AB-CI-K4/5 206914	For mounting CI-K4 and CI-K5 directly to the wall One set comprises 4 brackets
<b>Neutral conductor terminal</b>			
for connection of a fifth conductor			
	T0-.../I2, CI-K2-T0-... T3-.../I2, CI-K2-T3-... P1-.../I2	K-CI-K1/2 207451	
	T5B-.../I4, CI-K4-T5B-... P3-.../I4	K-CI-K4 206916	
	P3-.../I5	K-CI-K5 218488	

## Cam Switches, Motor Disconnect Switches Accessories

	For use with	Type Article No.	Price see Price	
<p><b>Set of extension terminals</b> for cable connection in the enclosure</p> 				
<p>for the lowest contact chamber</p>	T5B-.../I4	<b>AW-T5-1/2</b> 032601		Included with T5B-.../I4 and T5B-.../I5 as standard. Fit T5B with extension terminals to install T5B-.../E in an insulated enclosure
<p><b>Indicating light, conical, (without bulb)</b> For mounting in conduit entry hole For filament bulbs and neon bulbs up to 2.4 W</p> 				
<p>Color: red</p>	P1-.../I2, P3-.../I..., T...-.../I...	<b>L-R</b> 208689		
<p>Color: white</p>		<b>L-W</b> 208692		
<p>Color: green</p>		<b>L-G</b> 208690		
<p>Color: yellow</p>		<b>L-Y</b> 208691		

# T Cam Switches

## Mounting Cam Switches with Coupling (T.../Z or T.../V/SVB) into Enclosures

### Notes

CI-K... insulated enclosures are enclosures specifically designed for the installation of cam switches, such as T0 and T5B with up to 4 contact chambers = 8 contacts, T3 with up to 5 contact chambers = 10 contacts. They have a high degree of protection. If more than 5 cables or large cross-section cables are to be connected, then we recommend the use of insulated enclosures from the the CI system (→ Section 11) .

How to match enclosure and Type T... switch sizes:

- 1) Select the required switch and determine the cables to be connected.
- 2) Select an enclosure according to the minimum mounting depth of the switch. This depth dimension has to be less than or equal to the internal mounting depth of the enclosure. In addition, the quantity and size of the cable must be taken into account.

Use the tables below to determine whether, and if so how many, ZAV-... shaft extensions are required and, for .../SVB switches, the identical quantity of ZVV-.... interlock extensions.

### Example:

Switch:  
T3-6-.../V/SVB  
Minimum mounting depth:  
T...-6/Z = 147 mm  
Extensions:

No extension is required for an enclosure having a mounting depth of 150 mm. Two ZAV-T0 shaft extensions and two ZVV-T0 interlock extensions are required for an enclosure having a mounting depth of 200 mm

### Dimensions in mm

#### With extension

#### Number

#### Switch type

	without/		with „ZAV-T0“			
	from	to	+1 to	+2 to	+3 to	+4 to
T...-1-.../Z(V/SVB)	86	102	127	152	177	202
T...-2-.../Z(V/SVB)	96	112	137	162	187	212
T...-3-.../Z(V/SVB)	105	121	146	171	196	221
T...-4-.../Z(V/SVB)	115	131	156	181	206	231
T...-5-.../Z(V/SVB)	124	140	165	190	215	240
T...-6-.../Z(V/SVB)	134	150	175	200	225	250
T...-7-.../Z(V/SVB)	143	159	184	209	234	259
T...-8-.../Z(V/SVB)	153	169	194	219	244	269
T...-9-.../Z(V/SVB)	162	178	203	228	253	278
T...-10-.../Z(V/SVB)	172	188	213	238	263	288
T...-11-.../Z(V/SVB)	181	197	222	247	272	279

T3-...		Mounting depths				
	without/		with „ZAV-T0“			
	from	to	+1 to	+2 to	+3 to	+4 to
	89	105	130	155	180	205
	101	116	141	166	191	216
	112	128	153	178	203	228
	124	139	164	189	214	239
	135	151	176	201	226	251
	147	162	187	212	237	262
	158	174	199	224	249	274
	170	185	210	235	260	285
	181	197	222	247	272	297
	193	208	233	258	283	308
	204	220	245	270	295	320

T5B-...		Mounting depths				
	without/		with „ZAV-P3“			
	from	to	+1 to	+2 to	+3 to	+4 to
	92	107	132	157	182	207
	109	124	149	174	199	224
	125	140	165	190	215	240
	142	157	182	207	232	257
	158	173	198	223	248	273
	175	190	215	240	265	290
	191	206	231	256	281	306
	208	223	248	273	298	323
	224	239	264	289	314	339
	241	256	281	306	331	356