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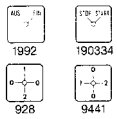
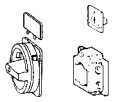
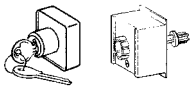
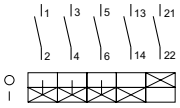
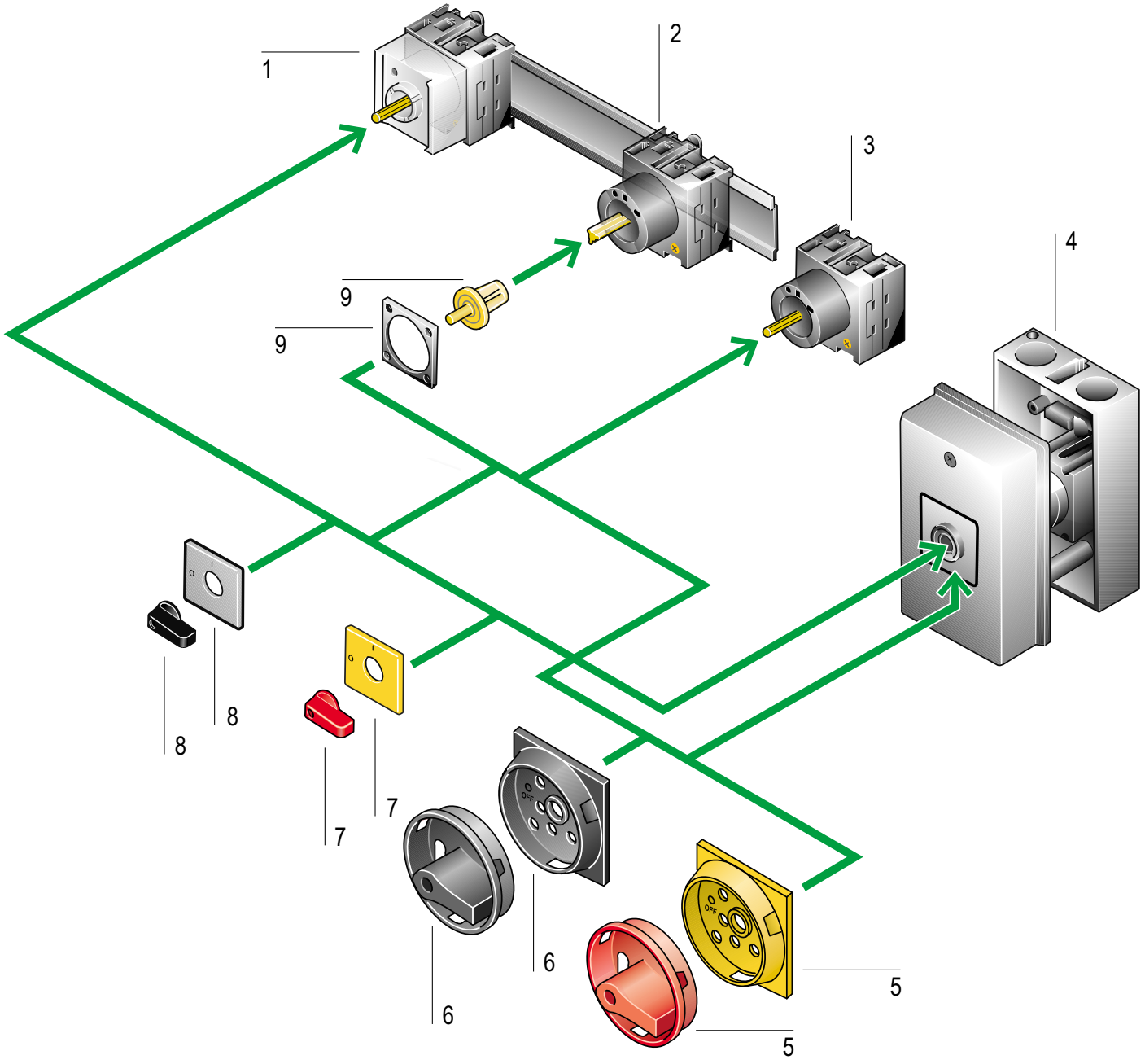








Type T0, T3, T5B Rotary Cam Switches



Type T0, T3 and T5B manually operated rotary cam switches can be used for a wide range of power switching and control circuit functions. The rotary cam/individual contact chamber design allows the switch to be easily configured to meet both simple and complex switching requirements. A variety of handles, enclosures and accessories further enable Type T switches to fulfill a number of more specific requirements. They offer many approval features:

- **UL Listing, CSA certification as manual motor controllers and motor disconnect switches per the intent of the NEC and OSHA lockout/tag-out requirements.**
- **Compliance with IEC/EN 60 204 as Main Disconnect and Emergency-Stop switches and conformity to IEC/EN 60 947-3 as Switch-Disconnectors for CE applications.**
- **Finger and Back of Hand-safe design for enhanced protection in the workplace against shock hazards.**

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1 Base Mounting with cover (.../IVS)

Additional front protection when panel door is open.
Ideal for switches mounted internally in larger panels.
Can be either panel mounted with screws or clipped on DIN rail.
Switch can accommodate up to 11 contact chambers. (**T0** switch only)

2 Base Mounting (.../Z)

Can be either panel mounted with screws or clipped on DIN rail. (**T0** or **T3**).
Can be equipped with knobs or padlockable handles.
Coupling drive mounts in door or cover.
Field-Wiring terminals accessible from front.

2 (5,6) Base Mounting Motor Disconnect Switches (.../V/SVB)

Padlockable handle, Black or Red-Yellow (Emergency-Off), rated **NEMA 3R/12, IP 65**.
OFF position lockable with up to 3 padlocks.
Meets **IEC/EN 60 204** (Main Disconnectors, Emergency-Off Switches) and **IEC/EN 60 947 Part 3** (Switch-Disconnectors) up to 8 circuits for **T0...**, up to 12 circuits for **T3...**
UL Listed/**CSA** certified Motor Disconnect switches per **NEC**.
Cover interlocked when switch is in the ON position.

3 Cover Mounting (.../E)

For mounting in covers, doors or walls of control panels.
NEMA 3R/12, IEC IP 65.
Field-Wiring terminals accessible from back for easy access.
Finger and Back of Hand safe design.

3 (5,6) Cover Mounting Motor Disconnect Switches (.../EA/SVB)

Padlockable handle, Black or Red-Yellow (Emergency-Off), rated **NEMA 3R/12, IP 65**.
OFF position lockable with up to 3 padlocks.
Meets **IEC/EN 60 204** (Main Disconnectors, Emergency-Off Switches) and **IEC/EN 60 947 Part 3** (Switch-Disconnectors) up to 8 circuits for **T0...**, up to 12 circuits for **T3...**
UL Listed/**CSA** certified Motor Disconnect switches per **NEC**.

3 Center Mounting (.../EZ)

Same features as cover mounted (**.../E**) switches except it allows switch to be mounted in the standard opening used by **22.5 mm style** pilot devices. (Refer to Section 5, RMQ 22...)
The center mounting fixing piece also permits a **"one person"** assembly to save mounting time.
Ideal for cam switches programmed for control circuit functions and mounted together with standard pilot devices in large control panel doors.

4 Surface Mounting Enclosures (.../I...)

Corrosion resistant, insulating material enclosures; IP 65. totally insulated
Can be equipped with standard knobs or padlockable handles for Main Disconnect switch applications.
Surface mounting Main Disconnect Switches in accordance with IEC/EN 60 204 and IEC/EN 60 947-3, **T0** up to 8 circuits, **T3** up to 10 circuits.
Lockable in the OFF position with up to 3 padlocks.
Suitable as Surface mounted Emergency-OFF switches per IEC/EN 60 204 with red handle, yellow collar.

5 Main Disconnect Switch handles suitable for Emergency-OFF applications

Designed to meet the requirements of Main Disconnect switches per **IEC/EN 60 204-1.**
Red padlockable handle with yellow collar.
Lockable in the OFF position with up to 3 padlocks.

6 Main Disconnect Switch handles

Designed to meet the requirements of Main Disconnect switches per **IEC/EN 60 204.**
Black padlockable handle and collar.
Lockable in the OFF position with up to 3 padlocks.

7 Standard knob handles suitable for Emergency-OFF applications

Designed to meet the requirements of **IEC/EN 60 204-1.**
Red handle with yellow nameplate.

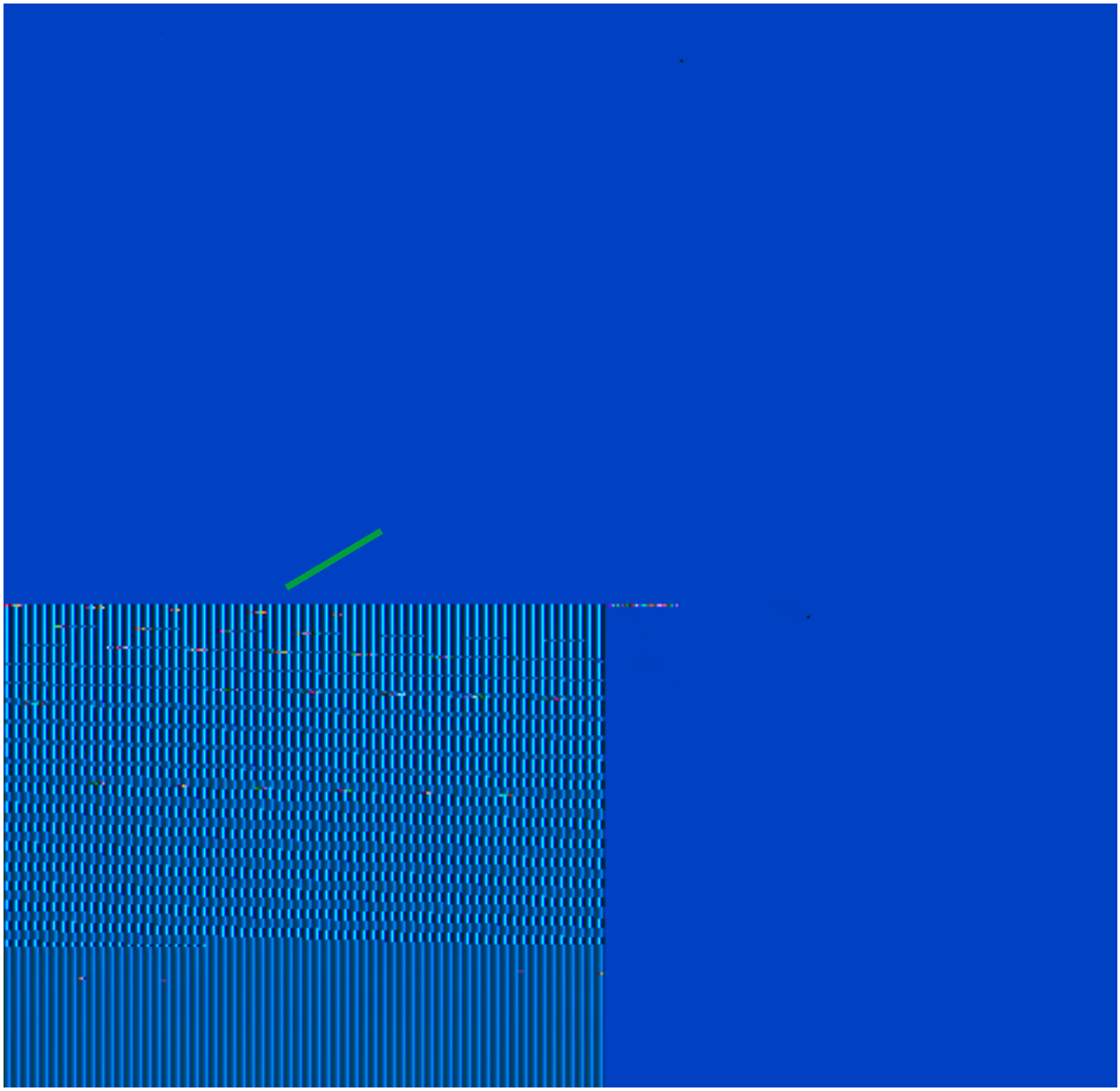
8 Standard knob handles

Designed to meet the requirements of **IEC/EN 60 204.**
Black handle with silver colored nameplate.

9 Coupling Drive

Linking mechanism used in the conversion of a basic switch (Type **T0(T3)-.../XZ**) into a base mounted version (**.../Z**).
Can be stocked as a spare part for the **T0(T3)-.../Z** switch.
Changes a cover mounted switch (Type **T5B-.../E**) into a base mounted version (**T5B-.../Z**).
Can be stocked as a spare part for the **T5B-.../Z** switch.

Type P1 and P3 Controllers, Disconnect Switches



Type P1 and P3 switches are 2 position (ON-OFF), 90˚ rotary operated 3 phase manual motor controllers and disconnect switches rated up to 100 Amps. A variety of handles, enclosures and accessories further enable Type P switches to fulfill a number of more specific requirements. They are ideally suited as Main Disconnect switches where load shedding functions are necessary for the application:
The side-mounted auxiliary contact module operates as late-make and early-break in relation to the main contacts to execute the load shedding task.
They offer many additional approval features:

- **UL Listing, CSA certification as manual motor controllers and motor disconnect switches per the intent of the NEC and OSHA lockout/tag-out requirements.**
- **Compliance with IEC/EN 60 204 as Main Disconnect and Emergency-Stop switches and conformity to IEC/EN 60 947-3 as Switch-Disconnectors for CE applications.**
- **Finger and Back of Hand-safe design for enhanced protection in the workplace against shock hazards.**

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1 **Base Mounting with cover (.../IVS)**

Additional front protection when panel door is open.
Ideal for switches mounted internally in larger panels.
Can be either panel mounted with screws or clipped on DIN rail.
P3-.../IVS version can be padlocked in the OFF position.

2 **Base Mounting (.../Z)**

Can be either panel mounted with screws or clipped on DIN rail.
Can be equipped with knobs or padlockable handles.
Coupling drive mounts in door or cover.
Field-Wiring terminals accessible from front.

2 (6,7) **Base Mounting Main Disconnect Switches (.../V/SVB)**

Padlockable handle, Black or Red-Yellow (Emergency-Off), rated **NEMA 3R/12, IP 65**.
OFF position lockable with up to 3 padlocks.
Meets **IEC/EN 60 204** (Main Disconnectors, Emergency-Off Switches) and **IEC/EN 60 947 Part 3** (Switch-Disconnectors)
UL Listed/**CSA** certified Motor Disconnect switches per **NEC**.
Cover interlocked when switch is in the ON position.

3 **Cover Mounting (.../E)**

For mounting in covers, doors or walls of control panels.
NEMA 3R/12, IEC IP 65.
Field-Wiring terminals accessible from back for easy access.
Finger and Back of Hand safe design.

3 (6,7) **Cover Mounting Main Disconnect Switches (.../EA/SVB)**

Padlockable handle, Black or Red-Yellow (Emergency-Off), rated **NEMA 3R/12, IP 65**.
OFF position lockable with up to 3 padlocks.
Meets **IEC/EN 60 204** (Main Disconnectors, Emergency-Off Switches) and **IEC/EN 60 947 Part 3** (Switch-Disconnectors)
UL Listed/**CSA** certified Motor Disconnect switches per **NEC**.

3 **Center Mounting (.../EZ)**

Same features as cover mounted (**.../E**) switches except it allows switch to be mounted in the standard opening used by **22.5 mm style** pilot devices. (Refer to Section 5, RMQ 22...)
The center mounting fixing piece also permits a **"one person"** assembly to save mounting time.
NEMA 3R/12, IEC IP 65 (**P1** only.)

4 **Add-on Modules**

Switching Neutral Pole (Early-Make) for 4 pole applications (predominantly in certain IEC countries). The 4th pole switches in advance of the main power contacts.
Auxiliary Contact Module **HI 11** (1 N.O. & 1 N.C.)
The N.O. contact is designed to operate as a load shedding contact: Switches **after** the main contacts when turning ON and opens **before** when turning OFF. (Late make/Early break).
Both modules feature finger-safe construction.

5 **Surface Mounting Enclosures (.../I...)**

Corrosion resistant, insulating material enclosures; IP 65.
totally insulated
Can be equipped with standard knobs or padlockable handles for Main Disconnect switch applications.
Surface mounting Main Disconnect Switches in accordance with **IEC/EN 60 204** and **IEC/EN 60 947-3**,
Lockable in the OFF position with up to 3 padlocks.
Suitable as Surface mounted Emergency-OFF switches per **IEC/EN 60 204-1** with red handle, yellow collar.
Number of possible add-on modules for enclosed switches: **1** for the **P1** switch; **2** for the **P3** switch.

6 **Main Disconnect Switch handles suitable for Emergency-OFF applications**

Designed to meet the requirements of **IEC/EN 60 204-1.**
Red padlockable handle with yellow collar.
Lockable in the OFF position with up to 3 padlocks.

7 **Main Disconnect Switch handles**

Designed to meet the requirements of **IEC/EN 60 204.**
Black padlockable handle and collar.
Lockable in the OFF position with up to 3 padlocks.

8 **Standard knob handles suitable for Emergency-OFF applications**

Designed to meet the requirements of **IEC/EN 60 204-1.**
Red handle with yellow nameplate.

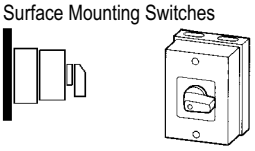
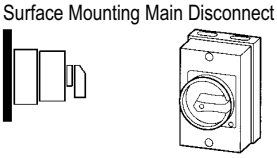
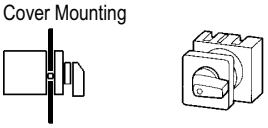
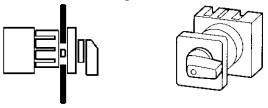
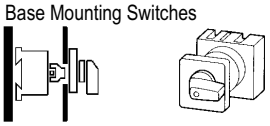
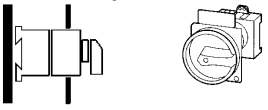
9 **Standard knob handles**

Designed to meet the requirements of **IEC/EN 60 204.**
Black handle with silver colored nameplate.

10 **Coupling Drive**

Linking mechanism used in the conversion of a basic switch (Type**.../XZ**) into a base mounted version (**.../Z**).
Can be stocked as a spare part for the **P1**(**P3**)**-.../Z** switch.

Rating Data				Frame size →	T0-...	T3-...	T5B-...	P1-25	P1-32	P3-63	P3-100
Maximum **HP** ratings	Three-phase	200 V	HP		3	5	15	5	7 1/2	15	20
UL, CSA		230 V	HP		3	7 1/2	15	5	10	15	25
50, 60 Hz		**460 V**	**HP**		**10**	**15**	**40**	**10**	**20**	**40**	**60**
		575 V	HP		10	15	50	15	25	50	75
	Single-phase	115 V	HP		3/4	1 1/2	3	1 1/2	2	3	5
		200 V	HP		2	3	7 1/2	3	3	7 1/2	10
		230 V	HP		2	3	10	3	5	10	15
			A		14	25	65	20	30	60	100
Maximum **kW** ratings	**AC 3**	220...240 V	kW		3	6.5	15	5.5	7.5	15	22
IEC/EN 60 947	Three-phase	**380...440 V**	**kW**		**4**	**12**	**22**	**7.5**	**13**	**30**	**37**
50, 60 Hz		500 V	kW		5.5	15	22	7.5	18.5	30	45
		690 V	kW		4	15	22	7.5	15	30	37
Rated operational current (Resistive loads)	**AC-21** Three-phase	**380...440 V**	**A**		**12**	**25**	**63**	**25**	**32**	**63**	**100**
Continuous Current rating (IEC)			A		20	32	63	25	32	63	100

Mounting Form	Type	Environmental Protection							
Surface Mounting Switches 	.../I...	IP 65	✔	✔	✔	✔	✔	✔	✔
Surface Mounting Main Disconnect Switches 	.../I.../SVB	IP 65	✔	✔	✔	✔	✔	✔	✔
Cover Mounting 	.../E...	Front IP 65 NEMA 3R/12	✔	✔	✔	✔	✔	✔	✔
Cover Mounted Main Disconnect Switches	.../EA/SVB...	Front IP 65 NEMA 3R/12	✔	✔	✔	✔	✔	✔	✔
Center Mounting Switches 	.../EZ...	Front IP 65 NEMA 3R/12	✔	✔	—	✔	✔	—	—
Base Mounting Switches 	.../Z...	Front IP 65 NEMA 3R/12	✔	✔	✔	✔	✔	✔	✔
Base Mounting Main Disconnect Switches 	.../V/SVB...	Front IP 65 NEMA 3R/12	✔	✔	✔	✔	✔	✔	✔
Base Mounted Switches with cover	.../IVS...	Front IP 30	✔	—	—	✔	✔	✔	✔

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Rotary Cam switches can be used in a wide range of applications and are just as suitable for switching motors as they are for control circuits. Applications include: ON-OFF switches, Motor Disconnectors, Manual transfer switches, Stepping switches, Instrumentation etc... They function essentially as inexpensive "hard-wired" programmable controllers and are extremely reliable. The switches are made up of the following parts:

- Handle assembly.
- The basic switch body containing contact chambers and handle position index.
- Peripheral accessories.

Each contact chamber in Types **T0**, **T3** and **T5B** switches features two contacts.

Our catalog "Rotary Switches T" (Cat. # K 115) contains over 800 commonly found standard switching sequences, a selection of which is to be found in this catalog. Catalog # K 115 is available on request.

Our Type T Rotary Cam Switches are free of any PCB's, Fluorocarbons, Asbestos and Silicon. Their contacts are cadmium-free.

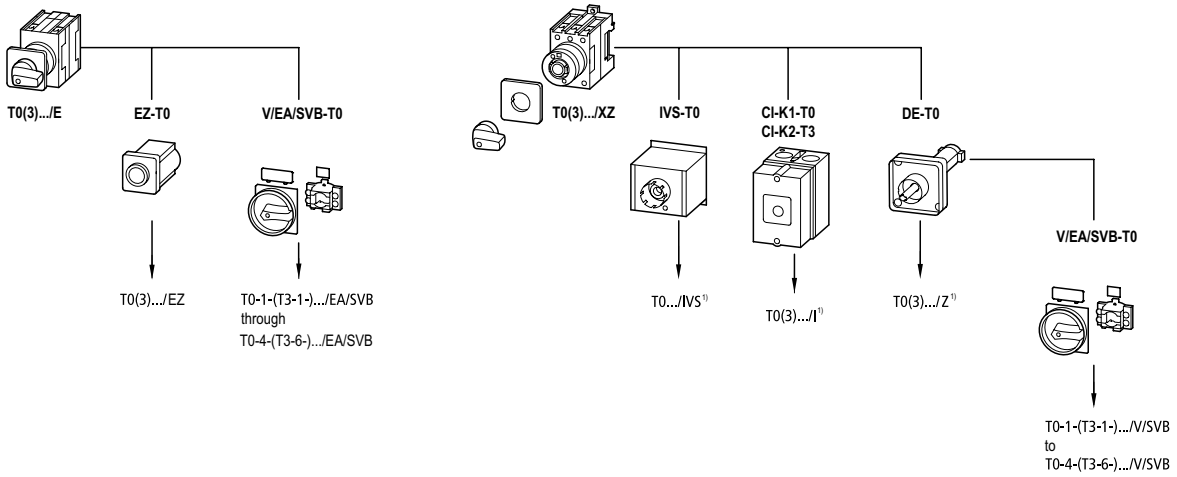
T0 and T3 Cam Switches

Key to type reference

T 0 - 1 - 8210 / E + FS1665 + S

- **Accessories**, see pages **6**/52 - 65
- Front plate type (if different from std.), see page **6**/50 - 51
- **Mounting form**, see page **6**/6
- **Contact sequence number**
- **Number of contact chambers**
- **Switch size** (**0** or **3**)
- Rotary Cam Switch

Use of modular system to convert mounting form



1) Includes shaft

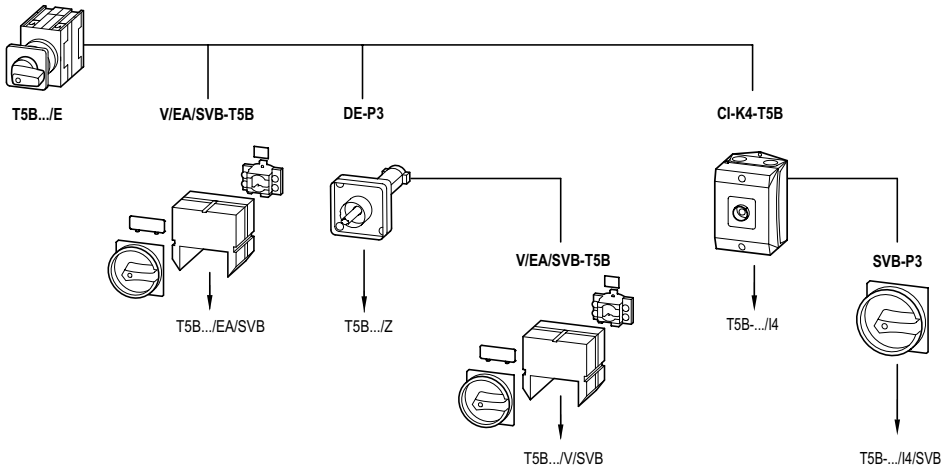
T5B Cam Switches

Key to type reference

T5B- 3 - 8342 / E +FS 1617 +ZFS 60-P3

- **Accessories**, see pages **6**/52-65
- Front plate type (if different from standard), see **6**/50-51
- **Mounting form**, see page **6**/6
- **Contact sequence number**
- **Number of contact chambers**
- **Switch size** (**T5B**)
- Rotary Cam Switch

Use of modular system to convert mounting form T 5B



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Type P1 and **P3** switches are 2 position (ON-OFF), 90˚ rotary operated 3 phase manual motor controllers and disconnect switches rated from 20 amps up to 100 amps. They are all HP rated and ideally suited as Motor Disconnect switches.

A side-mounted auxiliary contact module operates as late-make and early-break in relation to the main contacts to execute a load shedding task which is often required in industrial applications.

Type P (and **Type T** Cam) Switches feature a finger and back of hand safe design for enhanced safety in the workplace.

Our **Type P** Manual Controllers and Disconnectors are free of any PCB's, Fluorocarbons, Asbestos and Silicon. Their contacts are cadmium-free.

P 1 and P 3 Motor Disconnect Switches

Key to type reference **P 1 - 25 - FS 902 / EA/SVB - SW +H**

- **Accessories**, see pages **6**/52 - 65
- Type suffix (if required)
- **Mounting form**, see page **6**/6
- Front plate type (if different from std.), see page **6**/50 - 51
- **Rated thermal current**
- **Switch size** (**1** or **3**)
- Motor Disconnect Switch

Additional functions provided by modular system

Triple-pole basic unit

HI11-P1/P3

Auxiliary contact
Can be mounted left or right

H-P...

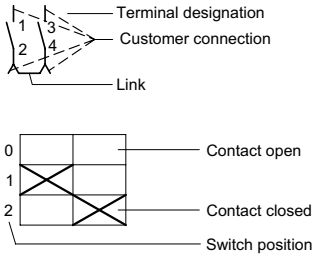
Terminal shroud
Can be mounted at top and bottom

UV-P...

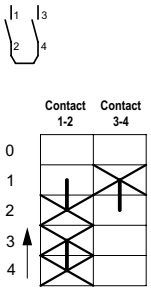
N + PE terminals
Also as cover interlock on **.../Z** switch

Circuit diagrams

On pages **6**/10-48



Example:
(see also ordering sample on page **6**/84)

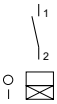
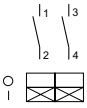
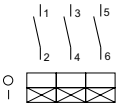
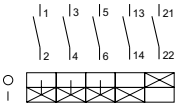


Switch position 1:
Contact 1 – 2 open,
Contact 3 – 4 closed.

Switching from 1 to 2:
Contact 1 – 2 closes with early make,
Contact 3 – 4 opens with late break.

Switching from 2 to 3:
Contact 1 – 2 opens briefly.

Switching from 3 to 4:
Contact 1 – 2 remains closed.
Automatic return from 4 to 3.

1	2	3	4		5			6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Single Phase UL, CSA			Current Rating UL/CSA	**Basic Type**	**Cover mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF**	**Price**
		N.O.	N.O.	N.C.	115 V HP	200 V HP	230 V HP	Amps	Add Mounting Form Type at right →	**Mounting Form Type**	$
Motor Disconnect Switches											
	FS 908	1	0	0	3/4	2	2	14	**T0-1-8200/...**	**EA/SVB**	See Price List
					1 1/2	3	3	25	**T3-1-8200/...**	**EA/SVB**	See Price List
					3	7 1/2	10	65	**T5B-1-8200/...**	**EA/SVB**	See Price List
	FS 908	2	0	0	3/4	2	2	14	**T0-1-102/...**	**EA/SVB**	See Price List
					1 1/2	3	3	25	**T3-1-102/...**	**EA/SVB**	See Price List
					3	7 1/2	10	65	**T5B-1-102/...**	**EA/SVB**	See Price List
	FS 908	3	0	0	1 1/2	3	3	20	**P1-25/...**	**EA/SVB**	See Price List
					2	3	5	30	**P1-32/...**	**EA/SVB**	See Price List
					3	7 1/2	10	60	**P3-63/...**	**EA/SVB**	See Price List
					5	10	15	100	**P3-100/...**	**EA/SVB**	See Price List
Motor Disconnect Switches, with load shedding auxiliary contact											
	FS 908	3	1	1	1 1/2	3	3	20	**P1-25/...**	**EA/SVB/HI11**	See Price List
					2	3	5	30	**P1-32/...**	**EA/SVB/HI11**	See Price List
					3	7 1/2	10	60	**P3-63/...**	**EA/SVB/HI11**	See Price List
					5	10	15	100	**P3-100/...**	**EA/SVB/HI11**	See Price List

Notes:

All handles supplied in the above combinations are padlockable in the OFF position.

Switches with red handles and yellow collars (**...SVB**) are suitable as Emergency-OFF Main Disconnect switches per the Machinery Directive Standard EN 60 204-1.

In applications where the switch is not intended to fulfill the Emergency-OFF function, use black handle and collar (**...SVB-SW**).

All switches are UL listed and CSA certified as manual controllers additionally evaluated as Motor Disconnect switches per the intent of NEC. (**T5B** evaluated as motor controller only).

All switches are in compliance with IEC/EN 60 947-3 (Switch-Disconnectors) and are CE marked.

For IEC ratings consult Moeller Electric

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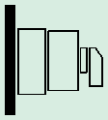
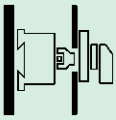
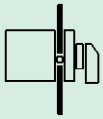
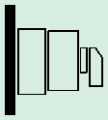
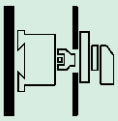
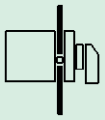
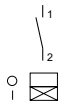
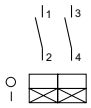
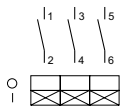
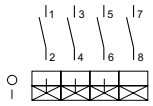
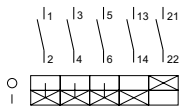
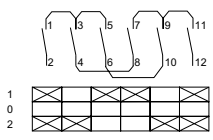
10	11	12	13	14	15	16	17	18	19
Surface mounting Padlockable[1] **Red** handle with **Yellow** collar, suitable as **Emergency-OFF** totally insulated 	**Price**	**Base mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF** 	**Price**	**Cover mounting** Padlockable **Black** handle and collar 	**Price**	**Surface mounting** Padlockable[1] **Black** handle and collar totally insulated 	**Price**	**Base mounting** Padlockable Black handle and collar, Coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I5/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I5/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I2/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I2/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I2/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I4/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I4/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I5/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I5/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List

1) Surface mount enclosures (Columns 10, 16) are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:

Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14, 16 and 18.

Example**: T3-1-8200/V/SVB**

1	2	3	4		5			6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Single Phase UL, CSA			Current Rating UL/CSA	**Basic Type**	**Cover mounting**	**Price**
		N.O.	N.O.	N.C.	115 V HP	200 V HP	230 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
On-Off Switches, with black handle and silver colored front-plate											
	FS 908	1	0	0	3/4	2	2	14	**T0-1-8200/...**	**E**	See Price List
					1 1/2	3	3	25	**T3-1-8200/...**	**E**	See Price List
					3	7 1/2	10	65	**T5B-1-8200/...**	**E**	See Price List
	FS 908	2	0	0	3/4	2	2	14	**T0-1-102/...**	**E**	See Price List
					1 1/2	3	3	25	**T3-1-102/...**	**E**	See Price List
					3	7 1/2	10	65	**T5B-1-102/...**	**E**	See Price List
	FS 908	3	0	0	3/4	2	2	14	**T0-2-1/...**	**E**	See Price List
					1 1/2	3	3	20	**P1-25/...**	**E**	See Price List
					2	3	5	30	**P1-32/...**	**E**	See Price List
					3	7 1/2	10	60	**P3-63/...**	**E**	See Price List
					5	10	15	100	**P3-100/...**	**E**	See Price List
On-Off Switches, with auxiliary contacts											
	FS 908	3	1	0	3/4	2	2	14	**T0-2-15679/...**	**E**	See Price List
			1	1	1 1/2	3	3	20	**P1-25/...**	**E/HI11**	See Price List
					2	3	5	30	**P1-32/...**	**E/HI11**	See Price List
					3	7 1/2	10	60	**P3-63/...**	**E/HI11**	See Price List
					5	10	15	100	**P3-100/...**	**E/HI11**	See Price List
Fractional HP Motor Reversing Switch (auxiliary winding)											
	FS 1665 For illustration of Front Plate see page **6**/51	6	0	0	3/4	2	2	14	**T0-3-15098/...**	**E**	See Price List
					1 1/2	3	3	25	**T3-3-15098/...**	**E**	See Price List

Above switches are identical to the selection on pages **6**/10 and 11 except that the associated handle is not padlockable.
Exception: **P3-.../IVS** Type can be padlocked in the OFF position.
All above handles are black with silver colored front plate.

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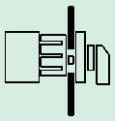
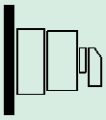
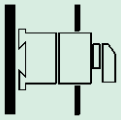
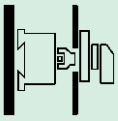
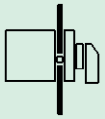
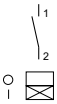
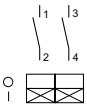
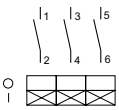
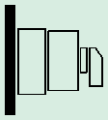
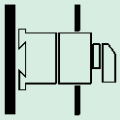
10	11	12	13	14	15	16	17
Center mounting 22.5 mm opening	**Price**	**Surface mounting** Enclosure[1] totally insulated	**Price**	**Base mounting** with cover	**Price**	**Base mounting** with cover mounted handle and coupling drive	**Price**
							
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**IVS**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**IVS**	See Price List	**Z**	See Price List
—	See Price List	**I5**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ/HI11	See Price List	**I2/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
EZ/HI11	See Price List	**I2/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
—	See Price List	**I4/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
—	See Price List	**I5/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14 and 16.
Example**: P1-32/Z/HI11**

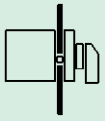
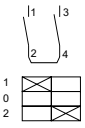
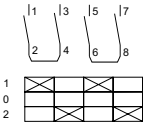
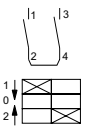
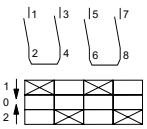
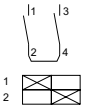
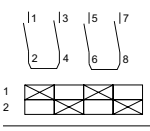
1	2	3	4		5			6	7	8	9
Circuit function diagram	Front plate Number FS 908 GE	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Single Phase UL, CSA			Current Rating UL/CSA	**Basic Type**	**Cover mounting**	**Price**
	Yellow	N.O.	N.O.	N.C.	115 V HP	200 V HP	230 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
Emergency-Stop Switches, with red handle and yellow colored front plate											
	FS 908 GE	1	0	0	3/4	2	2	14	**T0-1-8200/...**	**E-RT**	See Price List
					1 1/2	3	3	25	**T3-1-8200/...**	**E-RT**	See Price List
					3	7 1/2	10	65	**T5B-1-8200/...**	**E-RT**	See Price List
	FS 908 GE	2	0	0	3/4	2	2	14	**T0-1-102/...**	**E-RT**	See Price List
					1 1/2	3	3	25	**T3-1-102/...**	**E-RT**	See Price List
					3	7 1/2	10	65	**T5B-1-102/...**	**E-RT**	See Price List
	FS 908 GE	3	0	0	3/4	2	2	14	**T0-2-1/...**	**E-RT**	See Price List
					1 1/2	3	3	20	**P1-25/...**	**E-RT**	See Price List
					2	3	5	30	**P1-32/...**	**E-RT**	See Price List
					3	7 1/2	10	60	**P3-63/...**	**E-RT**	See Price List
					5	10	15	100	**P3-100/...**	**E-RT**	See Price List

Above switches are identical to the selection on pages **6**/12 and 13 except that the associated handle assembly is red with yellow background, making them suitable for Emergency-OFF applications. Handles are not padlockable.
For padlockable handles used in Emergency-OFF applications, consult pages **6**/10 and 13.

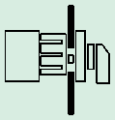
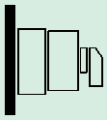
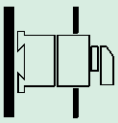
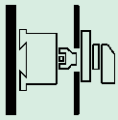
10	11	12	13
Surface mounting Enclosure[1)] totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** with cover  **Mounting Form Type**	**Price** $
I1-RT	See Price List	**IVS-RT**	See Price List
I2-RT	See Price List	—	See Price List
I4-RT	See Price List	—	See Price List
I1-RT	See Price List	**IVS-RT**	See Price List
I2-RT	See Price List	—	See Price List
I4-RT	See Price List	—	See Price List
I1-RT	See Price List	**IVS-RT**	See Price List
I2-RT	See Price List	**IVS-RT**	See Price List
I2-RT	See Price List	**IVS-RT**	See Price List
I4-RT	See Price List	**IVS-RT**	See Price List
I5-RT	See Price List	**IVS-RT**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10 and 12.
Example**: T3-1-102/E-RT**

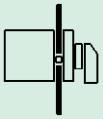
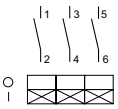
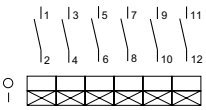
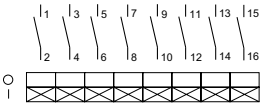
1	2	3	5			6	7	8	9
Circuit function diagram	Front plate Number FS... For illustration of Front Plate see Page **6**/51	Main Contacts (Number of power poles) N.O.	Maximum HP Rating 50 - 60 Hz, Single Phase UL, CSA 115 V HP	200 V HP	230 V HP	Current Rating UL/CSA Amps	**Basic Type** Add Mounting Form Type at right →	**Cover mounting**  **Mounting Form Type**	**Price** $
Change-over Switches with OFF position									
	FS 684	1	3/4	2	2	14	**T0-1-8210/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-1-8210/...**	**E**	See Price List
			3	7 1/2	10	65	**T5B-1-8210/...**	**E**	See Price List
	FS 684	2	3/4	2	2	14	**T0-2-8211/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-2-8211/...**	**E**	See Price List
			3	7 1/2	10	65	**T5B-2-8211/...**	**E**	See Price List
Change-over Switches with OFF position **With spring-return from both directions to "0"**									
	FS 4011	1	3/4	2	2	14	**T0-1-8214/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-1-8214/...**	**E**	See Price List
	FS 4011	2	3/4	2	2	14	**T0-2-8215/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-2-8215/...**	**E**	See Price List
Change-over Switches without OFF position									
	FS 943	1	3/4	2	2	14	**T0-1-8220/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-1-8220/...**	**E**	See Price List
	FS 943	2	3/4	2	2	14	**T0-2-8221/...**	**E**	See Price List
			1 1/2	3	3	25	**T3-2-8221/...**	**E**	See Price List

All handles supplied with above switches are black with silver colored front plate.

10	11	12	13	14	15	16	17
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1)] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14 and 16.
Example: **T0-1-8214/Z.**

1	2	3	4		5				6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA				Current Rating UL/CSA	**Basic Type**	**Cover mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF**	**Price**
		N.O.	N.O.	N.C.	200 V HP	230 V HP	**460 V HP**	575 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
Motor Disconnect Switch												
	FS 908	3	0	0	3	3	**10**	10	14	**T0-2-1/...**	**EA/SVB**	See Price List
					5	5	**10**	15	20	**P1-25/...**	**EA/SVB**	See Price List
					7 1/2	10	**20**	25	30	**P1-32/...**	**EA/SVB**	See Price List
					15	15	**40**	50	60	**P3-63/...**	**EA/SVB**	See Price List
					20	25	**60**	75	100	**P3-100/...**	**EA/SVB**	See Price List
	FS 908	6	0	0	3	3	**10**	10	14	**T0-3-8342/...**	**EA/SVB**	See Price List
					5	7 1/2	**15**	15	25	**T3-3-8342/...**	**EA/SVB**	See Price List
					15	15	**40**	50	65	**T5B-3-8342/....**	**EA/SVB**	See Price List
	FS 908	8	0	0	3	3	**10**	10	14	**T0-4-8344/...**	**EA/SVB**	See Price List
					5	7 1/2	**15**	15	25	**T3-4-8344/...**	**EA/SVB**	See Price List
					15	15	**40**	50	65	**T5B-4-8344/...**	**EA/SVB**	See Price List

Notes:

All handles supplied in the above combinations are padlockable in the OFF position.

Switches with red handles and yellow collars (Type suffix **...SVB**) are suitable as Emergency-OFF Main Disconnect switches per the Machinery DirectiveStandard EN 60 204-1.

In applications where the switch is not intended to fulfill the Emergency-OFF function, use black handle and collar (Type suffix **...SVB-SW**).

All switches are UL listed and CSA certified as manual controllers additionally evaluated as Motor Disconnect switches per the intent of NEC. (**T5B...** listed asmanual motor controller only.)

All switches are in compliance with IEC/EN 60 947-3 (Switch-Disconnectors) as Main Disconnect switches and are CE marked. (For IEC ratings, consult MoellerElectric)

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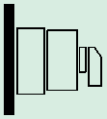
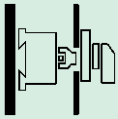
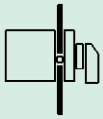
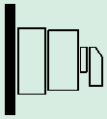
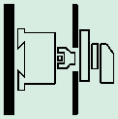
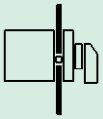
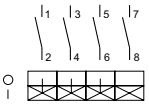
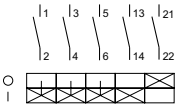
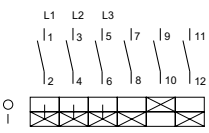
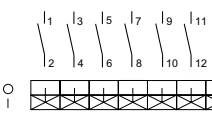
10	11	12	13	14	15	16	17	18	19
Surface mounting Padlockable[1], **Red** handle with **Yellow** collar, suitable as **Emergency-OFF** totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF**  **Mounting Form Type**	**Price** $	**Cover mounting** Padlockable **Black** handle and collar  **Mounting Form Type**	**Price** $	**Surface mounting** Padlockable[1], **Black** handle and collar totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** Padlockable Black handle and collar, Coupling drive  **Mounting Form Type**	**Price** $
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I5/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I5/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List

1) Surface mount enclosures (Columns 10, 16) are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:
Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14, 16 and 18.
Example**: P3-63/V/SVB**

1	2	3	4		5				6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA				Current Rating UL/CSA	**Basic Type**	**Cover mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF**	**Price**
		N.O.	N.O.	N.C.	200 V HP	230 V HP	**460 V HP**	575 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
Main Disconnect Switches with Auxiliary Contacts												
	FS 908	3	1	0	3	3	**10**	10	14	**T0-2-15679/...**	**EA/SVB**	See Price List
	FS 908	3	1	1	5	5	**10**	15	20	**P1-25/...**	**EA/SVB/HI11**	See Price List
					7 1/2	10	**20**	25	30	**P1-32/...**	**EA/SVB/HI11**	See Price List
					15	15	**40**	50	60	**P3-63/...**	**EA/SVB/HI11**	See Price List
					20	25	**60**	75	100	**P3-100/...**	**EA/SVB/HI11**	See Price List
	FS 908	3	2	1	3	3	**10**	10	14	**T0-3-15683/...**	**EA/SVB**	See Price List
					5	7 1/2	**15**	15	25	**T3-3-15683/...**	**EA/SVB**	See Price List
	FS 908	6	1	1	3	3	**10**	10	14	**T0-4-15682/...**	**EA/SVB**	See Price List
					5	7 1/2	**15**	15	25	**T3-4-15682/...**	**EA/SVB**	See Price List
					15	15	**40**	50	65	**T5B-4-15682/...**	**EA/SVB**	See Price List

Notes:

All handles supplied in the above combinations are padlockable in the OFF position.

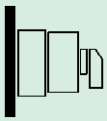
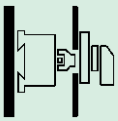
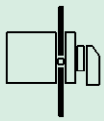
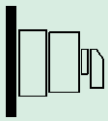
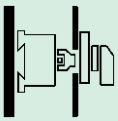
Switches with red handles and yellow collars (Type suffix **...SVB**) are suitable as Emergency-OFF Main Disconnect switches per the Machinery Directive Standard EN 60 204-1.

In applications where the switch is not intended to fulfill the Emergency-OFF function, use black handle and collar (Type suffix **...SVB-SW**).

All switches are UL listed and CSA certified as manual controllers additionally evaluated as Motor Disconnect switches per the intent of NEC. (**T5B...** listed as manual motor controller only.)

All switches are in compliance with IEC/EN 60 947-3 (Switch-Disconnectors) as Main Disconnect switches and are CE marked. (For IEC ratings, consult Moeller Electric)

N.O. Auxiliary contact(s) can be used for load shedding purposes. (Late make, early break characteristic)

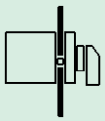
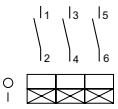
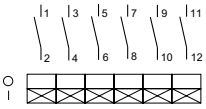
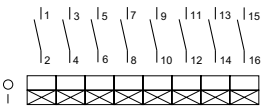
10	11	12	13	14	15	16	17	18	19
Surface mounting Padlockable[1] **Red** handle with **Yellow** collar, suitable as **Emergency-OFF** totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** Padlockable **Red** handle with **Yellow** collar, suitable as **Emergency-OFF**  **Mounting Form Type**	**Price** $	**Cover mounting** Padlockable **Black** handle and collar  **Mounting Form Type**	**Price** $	**Surface mounting** Padlockable[1] **Black** handle and collar totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** Padlockable Black handle and collar, Coupling drive  **Mounting Form Type**	**Price** $
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I2/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I2/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I2/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I4/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I4/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I5/SVB/HI11	See Price List	**V/SVB/HI11**	See Price List	**EA/SVB-SW/HI11**	See Price List	**I5/SVB-SW/HI11**	See Price List	**V/SVB-SW/HI11**	See Price List
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I1/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I1/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I2/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I2/SVB-SW**	See Price List	**V/SVB-SW**	See Price List
I4/SVB	See Price List	**V/SVB**	See Price List	**EA/SVB-SW**	See Price List	**I4/SVB-SW**	See Price List	**V/SVB-SW**	See Price List

1) Surface mount enclosures (Columns 10, 16) are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:

Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14, 16 and 18.

Example**: T0-3-15683/EA/SVB**

1	2	3	4		5				6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA				Current Rating UL/CSA	**Basic Type**	**Cover mounting**	**Price**
		N.O.	N.O.	N.C.	200 V HP	230 V HP	**460 V HP**	575 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
On-Off Switches												
	FS 908	3	0	0	3	3	**10**	10	14	**T0-2-1/...**	**E**	See Price List
					5	5	**10**	15	20	**P1-25/...**	**E**	See Price List
					7 1/2	10	**20**	25	30	**P1-32/...**	**E**	See Price List
					15	15	**40**	50	60	**P3-63/...**	**E**	See Price List
					20	25	**60**	75	100	**P3-100/...**	**E**	See Price List
	FS 908	6	0	0	3	3	**10**	10	14	**T0-3-8342/...**	**E**	See Price List
					5	7 1/2	**15**	15	25	**T3-3-8342/...**	**E**	See Price List
					15	15	**40**	50	65	**T5B-3-8342/....**	**E**	See Price List
	FS 908	8	0	0	3	3	**10**	10	14	**T0-4-8344/...**	**E**	See Price List
					5	7 1/2	**15**	15	25	**T3-4-8344/...**	**E**	See Price List
					15	15	**40**	50	65	**T5B-4-8344/...**	**E**	See Price List

Note:
Above switches are identical to the selection on pages **6**/18 and 19 except that the associated handle is *not* padlockable.
Exception: **P3-.../IVS** Type can be padlocked in the OFF position.
All above handles are black with silver colored front plate.

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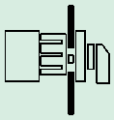
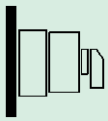
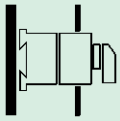
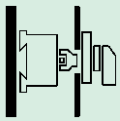
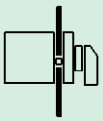
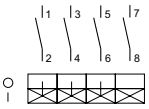
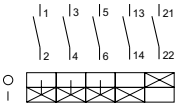
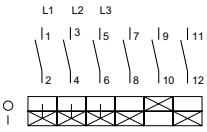
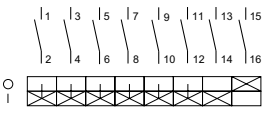
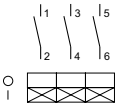
10	11	12	13	14	15	16	17
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**IVS**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**IVS**	See Price List	**Z**	See Price List
—	See Price List	**I5**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:
Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14 and 16.
Example**: T0-3-8342/Z**

1	2	3	4		5				6	7	8	9
Circuit function diagram	Front plate Number FS 908	Main Contacts (Number of power poles)	Auxiliary Contacts		Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA				Current Rating UL/CSA	**Basic Type**	**Cover mounting**	**Price**
		N.O.	N.O.	N.C.	200 V HP	230 V HP	**460 V HP**	575 V HP	Amps	Add Mounting Form Type at right →	 **Mounting Form Type**	$
ON-OFF Switches with Auxiliary Contacts												
	FS 908	3	1	0	3	3	**10**	10	14	**T0-2-15679/...**	**E**	
	FS 908	3	1	1	5	5	**10**	15	20	**P1-25/...**	**E/HI11**	
					7 1/2	10	**20**	25	30	**P1-32/...**	**E/HI11**	
					15	15	**40**	50	60	**P3-63/...**	**E/HI11**	
					20	25	**60**	75	100	**P3-100/...**	**E/HI11**	
	FS 908	3	2	1	3	3	**10**	10	14	**T0-3-15683/...**	**E**	
					5	7 1/2	**15**	15	25	**T3-3-15683/...**	**E**	
	FS 908	6	1	1	3	3	**10**	10	14	**T0-4-15682/...**	**E**	
					5	7 1/2	**15**	15	25	**T3-4-15682/...**	**E**	
					15	15	**40**	50	65	**T5B-4-15682/...**	**E**	
ON-OFF Switches used as Emergency Stop Switches												
	FS 908	3	0	0	3	3	**10**	10	14	**T0-2-1/...**	**E-RT**	
					5	5	**10**	15	20	**P1-25/...**	**E-RT**	
					7 1/2	10	**20**	25	30	**P1-32/...**	**E-RT**	
					15	15	**40**	50	60	**P3-63/...**	**E-RT**	
					20	25	**60**	75	100	**P3-100/...**	**E-RT**	

Notes:
ON-OFF Switches with auxiliary contacts have black handle with silver colored nameplate.
ON-OFF Switches used as Emergency-OFF have red handle with yellow back frame.
Above handles are ***not*** padlockable. Exception: **P3-.../IVS(-RT)** Type can be padlocked in the OFF position.

See Price List

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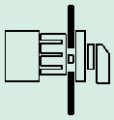
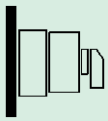
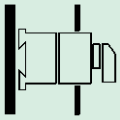
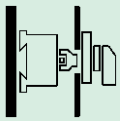
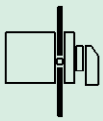
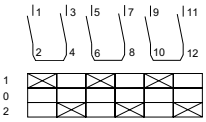
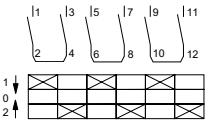
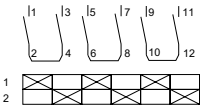
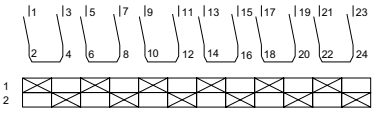
10	11	12	13	14	15	16	17
Center mounting 22.5 mm opening  **Mounting Form Type**	**Price** $	**Surface mounting** Enclosure[1] totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** with cover  **Mounting Form Type**	**Price** $	**Base mounting** with cover mounted handle and coupling drive  **Mounting Form Type**	**Price** $
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ/HI11	See Price List	**I2/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
EZ/HI11	See Price List	**I2/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
—	See Price List	**I4/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
—	See Price List	**I5/HI11**	See Price List	**IVS/HI11**	See Price List	**Z/HI11**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I1-RT**	See Price List	**IVS-RT**	See Price List	**—**	See Price List
—	See Price List	**I2-RT**	See Price List	**IVS-RT**	See Price List	**—**	See Price List
—	See Price List	**I2-RT**	See Price List	**IVS-RT**	See Price List	**—**	See Price List
—	See Price List	**I4-RT**	See Price List	**IVS-RT**	See Price List	**—**	See Price List
—	See Price List	**I5-RT**	See Price List	**IVS-RT**	See Price List	**—**	See Price List

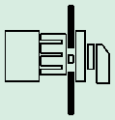
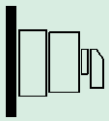
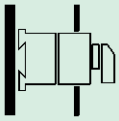
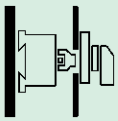
1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:
Complete the **Basic Type** in Column 7 by adding the desired **Mounting Form Type** suffix from columns 8, 10, 12, 14 and 16.
Example**: T0-3-15683/EZ**

1	2	3	4				5	6	7	8
Circuit function diagram	Front plate Number FS... For illustration of Front Plate see Page **6**/51	Main Contacts (Number of power poles) N.O.	Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA 200 V HP	230 V HP	**460 V HP**	575 V HP	Current Rating UL/CSA Amps	**Basic Type** Add Mounting Form Type at right →	**Cover mounting**  **Mounting Form Type**	**Price** $
Change-over Switches with Off position Positions are maintained										
	FS 684	3	3	3	**10**	10	14	**T0-3-8212/...**	**E**	
			5	7 1/2	**15**	15	25	**T3-3-8212/...**	**E**	
			15	15	**40**	50	65	**T5B-3-8212/...**	**E**	
Change-over Switches with Off position Positions are spring-returned to OFF										
	FS 4011	3	3	3	**10**	10	14	**T0-3-8216/...**	**E**	
			5	7 1/2	**15**	15	25	**T3-3-8216/...**	**E**	
Change-over Switches without Off position Positions are maintained										
	FS 943	3	3	3	**10**	10	14	**T0-3-8222/...**	**E**	
			5	7 1/2	**15**	15	25	**T3-3-8222/...**	**E**	
			15	15	**40**	50	65	**T5B-3-8222/...**	**E**	
	FS 943	6	3	3	**10**	10	14	**T0-6-8370/...**	**E**	
			5	7 1/2	**15**	15	25	**T3-6-8370/...**	**E**	

Note: Above switches have black handle with silver colored nameplate.

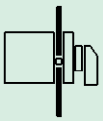
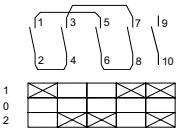
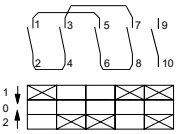
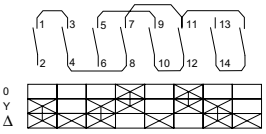
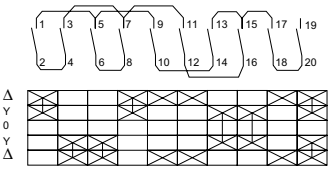
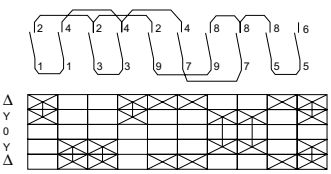
See Price List

9	10	11	12	13	14	15	16
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	**—**	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	**—**	See Price List	**Z**	See Price List
EZ	See Price List	**—**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**—**	See Price List	**—**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information:

Complete the **Basic Type** in Column 6 by adding the desired **Mounting Form Type** suffix from columns 7, 9, 11, 13 and 15.
Example**: T5B-3-8212/Z**

1	2	3	4				5	6	7	8
Circuit function diagram	Front plate Number FS... For illustration of Front Plate see Page **6**/51	Main Contacts (Number of power poles) N.O.	Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA 200 V HP	230 V HP	**460 V HP**	575 V HP	Current Rating UL/CSA Amps	**Basic Type** Add Mounting Form Type at right →	**Cover mounting**  **Mounting Form Type**	**Price** $
Reversing Switches with OFF ("0") position										
	FS 684	3	3	3	**10**	10	14	**T0-3-8401/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-3-8401/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-3-8401/...**	**E**	See Price List
Reversing Switches with OFF ("0") position **With spring-return from both directions to Off**										
	FS 4011	3	3	3	**10**	10	14	**T0-3-8228/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-3-8228/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-3-8228/...**	**E**	See Price List
Star-delta Switches										
	FS 635	3	3	3	**10**	10	14	**T0-4-8410/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-4-8410/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-4-8410/...**	**E**	See Price List
Reversing Star-delta Switches										
	FS 638	3	3	3	**10**	10	14	**T0-5-15876/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-5-15876/...**	**E**	See Price List
	FS 4017	3	15	15	**40**	50	65	**T5B-5-15896/...**	**E**	See Price List

Note: Above switches have black handle with silver colored nameplate.

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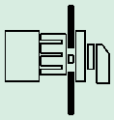
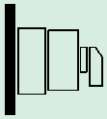
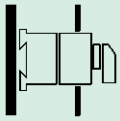
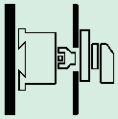
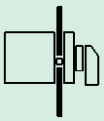
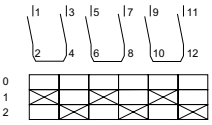
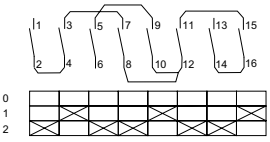
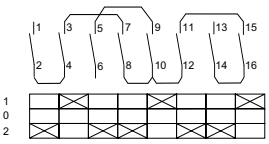
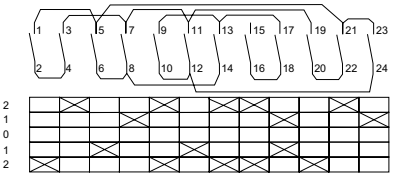
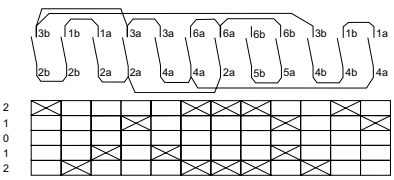
9	10	11	12	13	14	15	16
Center mounting 22.5 mm opening	**Price**	**Surface mounting** Enclosure[1)] totally insulated	**Price**	**Base mounting** with cover	**Price**	**Base mounting** with cover mounted handle and coupling drive	**Price**
							
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	—	See Price List	—	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 6 by adding the desired **Mounting Form Type** suffix from columns 7, 9, 11, 13 and 15.
Example: **T3-4-8410/Z**

1	2	3	4				5	6	7	8
Circuit function diagram	Front plate Number FS... For illustration of Front Plate see Page **6**/51	Main Contacts (Number of power poles) N.O.	Maximum HP Rating 50 - 60 Hz, Three Phase UL, CSA 200 V HP	230 V HP	**460 V HP**	575 V HP	Current Rating UL/CSA Amps	**Basic Type** Add Mounting Form Type at right →	**Cover mounting**  **Mounting Form Type**	**Price** $
Multispeed Switches **Two-speed, non-reversing for 2 separate windings**										
	FS 644	3	3	3	**10**	10	14	**T0-3-8451/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-3-8451/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-3-8451/...**	**E**	See Price List
Multispeed Switches **Two-speed, non-reversing, for one tapped winding**										
	FS 644	3	3	3	**10**	10	14	**T0-4-8440/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-4-8440/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-4-8440/...**	**E**	See Price List
	FS 684	3	3	3	**10**	10	14	**T0-4-8441/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-4-8441/...**	**E**	See Price List
			15	15	**40**	50	65	**T5B-4-8441/...**	**E**	See Price List
Reversing Multispeed Switches **Two-speed, for one tapped winding**										
	FS 629	3	3	3	**10**	10	14	**T0-6-15866/...**	**E**	See Price List
			5	7 1/2	**15**	15	25	**T3-6-15866/...**	**E**	See Price List
	FS 441	3	15	15	**40**	50	65	**T5B-7-66/...**	**E**	See Price List

Note: Above switches have black handle with silver colored nameplate.

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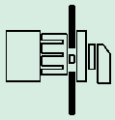
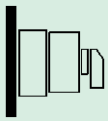
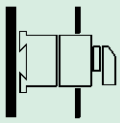
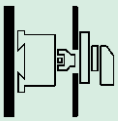
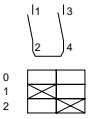
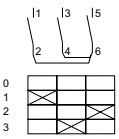
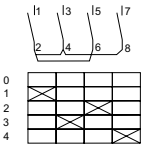
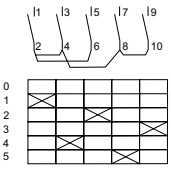
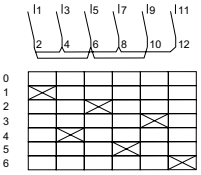
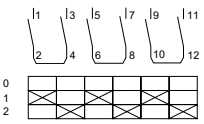
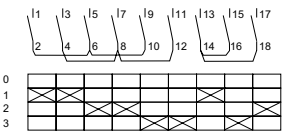
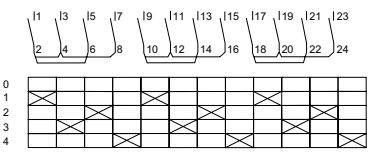
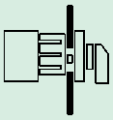
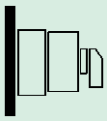
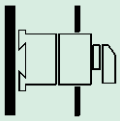
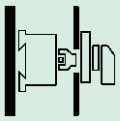
9	10	11	12	13	14	15	16
Center mounting 22.5 mm opening	**Price**	**Surface mounting** Enclosure[1] totally insulated	**Price**	**Base mounting** with cover	**Price**	**Base mounting** with cover mounted handle and coupling drive	**Price**
							
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I2**	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	**I4**	See Price List	—	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	—	See Price List	**Z**	See Price List
—	See Price List	—	See Price List	—	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 6 by adding the desired **Mounting Form Type** suffix from columns 7, 9, 11, 13 and 15. Example: **T0-4-8440/E**

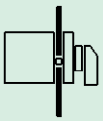
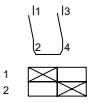
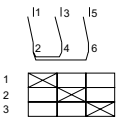
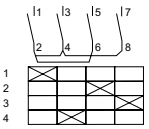
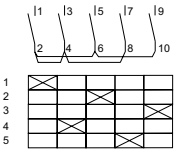
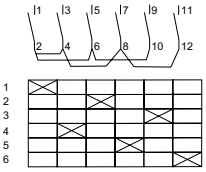
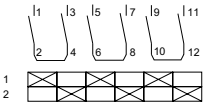
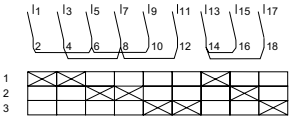
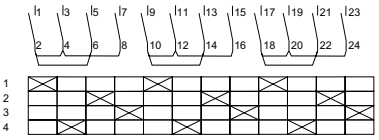
1	2	3	4	5	6	7
Circuit function diagram	Front plate Number FS...	No. of poles	No. of steps	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51			Add Mounting Form Type at right →	**Mounting Form Type**	$
Stepping Switches						
One contact closed per step (without overlap), *with* additional Off position						
	FS 418	1	2	**T0-1-8240/...**	**E**	See Price List
	FS 420	1	3	**T0-2-8241/...**	**E**	See Price List
	FS 422	1	4	**T0-2-8242/...**	**E**	See Price List
	FS 424	1	5	**T0-3-8243/...**	**E**	See Price List
	FS 426	1	6	**T0-3-8244/...**	**E**	See Price List
	FS 418	3	2	**T0-3-8280/...**	**E**	See Price List
	FS 420	3	3	**T0-5-8281/...**	**E**	See Price List
	FS 422	3	4	**T0-6-8282/...**	**E**	See Price List

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

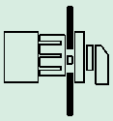
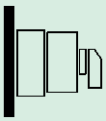
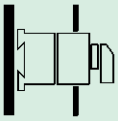
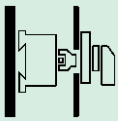
8	9	10	11	12	13	14	15
Center mounting 22.5 mm opening  **Mounting Form Type**	**Price** $	**Surface mounting** Enclosure[1] totally insulated  **Mounting Form Type**	**Price** $	**Base mounting** with cover  **Mounting Form Type**	**Price** $	**Base mounting** with cover mounted handle and coupling drive  **Mounting Form Type**	**Price** $
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 5 by adding the desired **Mounting Form Type** suffix from columns 6, 8, 10, 12 and 14. Example**: T0-2-8242/IVS**

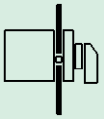
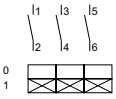
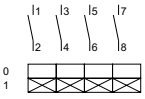
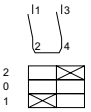
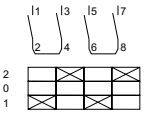
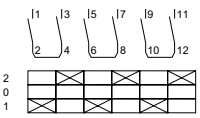
1	2	3	4	5	6	7
Circuit function diagram	Front plate Number FS...	No. of poles	No. of steps	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51			Add Mounting Form Type at right →	 **Mounting Form Type**	$
Stepping Switches **One contact closed per step (without overlap), *without* additional Off position**						
	FS 943	1	2	**T0-1-8220/...**	**E**	See Price List
	FS 404	1	3	**T0-2-8230/...**	**E**	See Price List
	FS 606	1	4	**T0-2-8231/...**	**E**	See Price List
	FS 408	1	5	**T0-3-8232/...**	**E**	See Price List
	FS 410	1	6	**T0-3-8233/...**	**E**	See Price List
	FS 943	3	2	**T0-3-8222/...**	**E**	See Price List
	FS 404	3	3	**T0-5-8270/...**	**E**	See Price List
	FS 406	3	4	**T0-6-8271/...**	**E**	See Price List

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

8	9	10	11	12	13	14	15
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	—	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 5 by adding the desired **Mounting Form Type** suffix from columns 6, 8, 10, 12 and 14.
Example**: T0-3-8232/E**

1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	No. of poles	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51		Add Mounting Form Type at right →	 **Mounting Form Type**	$
Control Circuit Switches **On-Off switches**					
	FS 415	1	**T0-1-15401/...**	**E**	See Price List
	FS 415	2	**T0-1-15402/...**	**E**	See Price List
	FS 415	3	**T0-2-15403/...**	**E**	See Price List
	FS 415	4	**T0-2-15404/...**	**E**	See Price List
Control Circuit Switches **Changeover switches**					
	FS 429	1	**T0-1-15421/...**	**E**	See Price List
	FS 429	2	**T0-2-15422/...**	**E**	See Price List
	FS 429	3	**T0-3-15423/...**	**E**	See Price List

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

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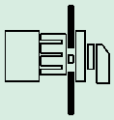
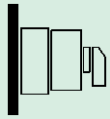
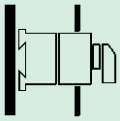
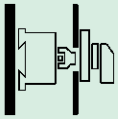
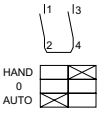
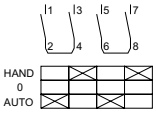
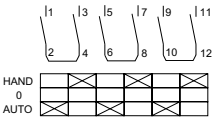
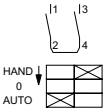
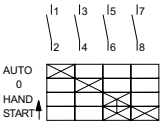
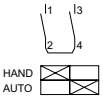
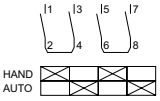
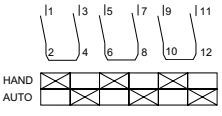
7	8	9	10	11	12	13	14
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 4 by adding the desired **Mounting Form Type** suffix from columns 5, 7, 9, 11 and 13.
Example**: T0-2-15422/Z**

1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	No. of poles	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51		Add Mounting Form Type at right →	**Mounting Form Type**	$
Control Switches, Hand/Auto Switches **With Off position**					
	FS 1401	1	**T0-1-15431/...**	**E**	See Price List
	FS 1401	2	**T0-2-15432/...**	**E**	See Price List
	FS 1401	3	**T0-3-15433/...**	**E**	See Price List
Control Switches, Hand/Auto Switches **With spring-return function for HAND**					
	FS 1414000	1	**T0-1-15434/...**	**E**	See Price List
Control Switches, Hand/Auto Switches **With spring-return function for START**					
	FS 1413890	1	**T0-2-15907/...**	**E**	See Price List
Control Switches, Hand/Auto Switches **Without Off position**					
	FS 19334	1	**T0-1-15451/...**	**E**	See Price List
	FS 19334	2	**T0-2-15452/...**	**E**	See Price List
	FS 19334	3	**T0-3-15453/...**	**E**	See Price List

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

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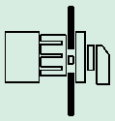
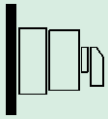
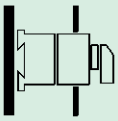
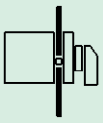
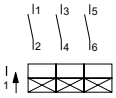
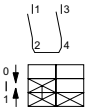
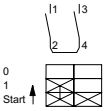
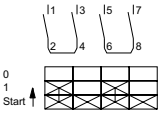
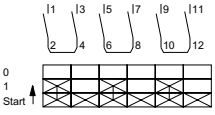
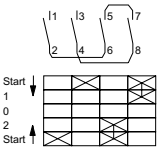
7	8	9	10	11	12	13	14
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 4 by adding the desired **Mounting Form Type** suffix from columns 5, 7, 9, 11 and 13.
Example: **T0-2-15432/EZ**

1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	No. of poles	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51		Add Mounting Form Type at right →	 **Mounting Form Type**	$
Control Switches **On switches (make contacts), Spring-return from position "1"**					
	FS 4721	1	**T0-1-15321/...**	**E**	See Price List
	FS 4721	2	**T0-1-15322/...**	**E**	See Price List
	FS 4721	3	**T0-2-15323/...**	**E**	See Price List
Control Switches **On-Off switches, spring-return from positions "0" and "1"**					
	FS 456	To control: 1 contactor	**T0-1-15366/...**	**E**	See Price List
Control Switches **On-Off switches, spring-return from the START position**					
	FS 147767	1	**T0-1-15511/...**	**E**	See Price List
	FS 147767	2	**T0-2-15512/...**	**E**	See Price List
	FS 147767	3	**T0-3-15513/...**	**E**	See Price List
	FS 140660	To control: 1 reversing contactor	**T0-2-8177/...**	**E**	See Price List

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

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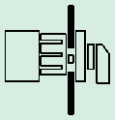
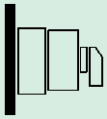
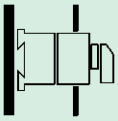
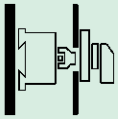
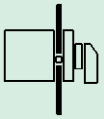
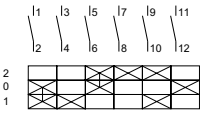
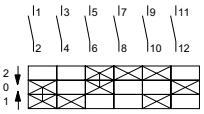
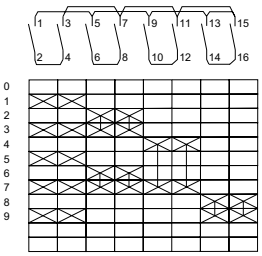
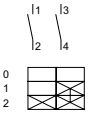
7	8	9	10	11	12	13	14
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 4 by adding the desired **Mounting Form Type** suffix from columns 5, 7, 9, 11 and 13.
Example**: T0-2-15512/Z**

1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	No. of poles	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51		Add Mounting Form Type at right →	 **Mounting Form Type**	$
Multi-purpose Control Switches **Maintained, 3-position switches** 1 contact closed in each position; in addition: 1 contact closed in positions 0 and 1 1 contact closed in positions 0 and 2 1 contact closed in positions 1 and 2					
	FS 429	—	**T0-3-15391/...**	**E**	
Same as above, but with spring-return for positions "1" and "2"					
	FS 458	—	**T0-3-15394/...**	**E**	
Control switches **Coding switches with complete rotation in both directions**					
	FS 312	Dual BCD-CODE	**T0-4-15602/...**	**E**	
Series switches **with 0FF position** (Heater switches)					
	FS 614	1	**T0-1-91/...**	**E**	

Notes: All switches have black handle with silver colored nameplate.
Additional choice of standard nameplates available. Nameplate text can also be customized to suit application.
Consult page **6**/50-51 for selection of standard nameplates and information on ordering specials.

See Price List

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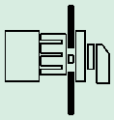
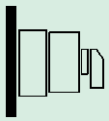
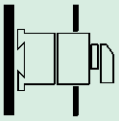
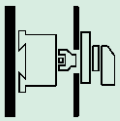
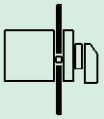
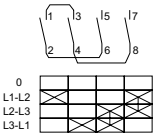
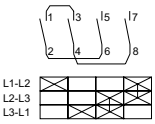
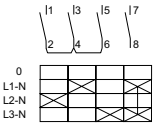
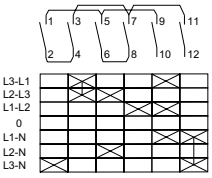
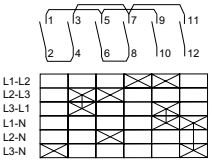
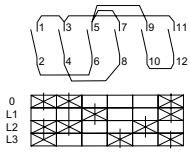
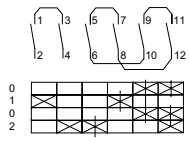
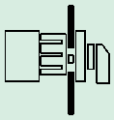
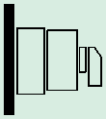
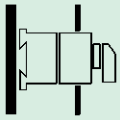
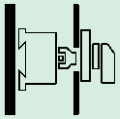
7	8	9	10	11	12	13	14
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 4 by adding the desired **Mounting Form Type** suffix from columns 5, 7, 9, 11 and 13.
Example: **T0-3-15394/EZ**

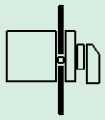
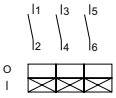
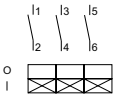
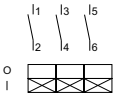
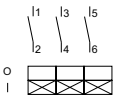
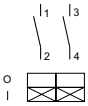
1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	No. of poles	**Basic Type**	**Cover mounting**	**Price**
T0... Control Circuit UL/CSA Ratings: **Heavy Pilot Duty A 600 P 600**	For illustration of Front Plate see Page **6**/51		Add Mounting Form Type at right →	 **Mounting Form Type**	$
Instrumentation Selector Switches					
Voltmeter					
	FS 1410755	3 x Phase to Phase With 0FF position	**T0-2-15920/...**	**E**	See Price List
	FS 164854	3 x Phase to Phase Without 0FF position	**T0-2-15922/...**	**E**	See Price List
	FS 1410757	3 x Phase to Neutral With 0FF position	**T0-2-15921/...**	**E**	See Price List
	FS 1410759	3 x Phase to Phase + 3 x Phase to Neutral With 0FF position	**T0-3-8007/...**	**E**	See Price List
	FS 164721	3 x Phase to Phase + 3 x phase to Neutral Without 0FF position With complete rotation in both directions	**T0-3-15924/...**	**E**	See Price List
Ammeter **With complete rotation in both directions** **Measurement via current transformers**					
	FS 9440	With 0FF position	**T0-3-8048/...**	**E**	See Price List
Voltmeter and Ammeter **With complete rotation in both directions** **Measurement via transformers**					
	FS 928	With 0FF position	**T0-3-8030/...**	**E**	See Price List

Note: All switches have black handle with silver colored nameplate.

7	8	9	10	11	12	13	14
Center mounting 22.5 mm opening 	**Price**	**Surface mounting** Enclosure[1] totally insulated 	**Price**	**Base mounting** with cover 	**Price**	**Base mounting** with cover mounted handle and coupling drive 	**Price**
Mounting Form Type	$	**Mounting Form Type**	$	**Mounting Form Type**	$	**Mounting Form Type**	$
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List
EZ	See Price List	**I1**	See Price List	**IVS**	See Price List	**Z**	See Price List

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Complete the **Basic Type** in Column 4 by adding the desired **Mounting Form Type** suffix from columns 5, 7, 9, 11 and 13.
Example: **T0-3-8048/E**

1	2	3	4				5	6	7	8
Circuit function diagram	Front plate Number FS 908	No. of poles	Maximum HP Rating Three-phase 50 - 60 Hz UL, CSA				Amp rating UL CSA		**Cover mounting**	**Price**
			200 V HP	230 V HP	**460 V HP**	575 V HP	A		 **Type**	$
Switches with locking arrangements, Type KMS 1 key **Panic switches without Emergency-stop function**[1] **With Type SVA cylinder lock** The key can be withdrawn in **OFF** and **ON** positions. If the key is withdrawn in the **ON** position, the switch can still be turned to **OFF**, but cannot be switched back to **ON** again without the key.										
	FS 908	3	3	3	**10**	10	14		**T0-2-1/E/SVA(S)**	
			5	5	**10**	15	20		**P1-25/E/SVA(S)**	
			5	7 1/2	**15**	15	25		**T3-2-1/E/SVA(S)**	
			7 1/2	10	**20**	25	30		**P1-32/E/SVA(S)**	
ON-OFF switches without Emergency-stop function[1] **With Type SVA cylinder lock** Key can be withdrawn only in **0FF** position (position A in diagram at right).										
	FS 908	3	3	3	**10**	10	14		**T0-2-1/E/SVA(A)**	
			5	5	**10**	15	20		**P1-25/E/SVA(A)**	
			5	7 1/2	**15**	15	25		**T3-2-1/E/SVA(A)**	
			7 1/2	10	**20**	25	30		**P1-32/E/SVA(A)**	
Panic switches with Emergency-stop function[2] **With Type SVA cylinder lock** Key can be withdrawn only in **OFF** and **ON** positions. If the key is withdrawn in the **ON** position, the switch can still be turned to **OFF**, but cannot be switched back to **ON** again without the key.										
	FS 908GE	3	3	3	**10**	10	14		**T0-2-1/E/SVA(S)-RT**	
			5	5	**10**	15	20		**P1-25/E/SVA(S)-RT**	
			5	7 1/2	**15**	15	25		**T3-2-1/E/SVA(S)-RT**	
			7 1/2	10	**20**	25	30		**P1-32/E/SVA(S)-RT**	
Panic switches with Emergency-stop function[2] **With Type SVC padlocking features** Locking slide can be padlocked in **OFF** and **ON** positions. If the locking slide is padlocked in the **ON** position with a padlock, the switch can still be turned to **OFF**, but cannot be switched back to **ON** again without removal of the padlock.										
	FS 908GE	3	3	3	**10**	10	14		**T0-2-1/E/SVC(S)-RT**	
			5	5	**10**	15	20		**P1-25/E/SVC(S)-RT**	
			5	7 1/2	**15**	15	25		**T3-2-1/E/SVC(S)-RT**	
			7 1/2	10	**20**	25	30		**P1-32/E/SVC(S)-RT**	
ON-OFF switches without Emergency-stop function **With S-T0 key operation, silver colored nameplate** Key can be withdrawn only in **OFF** position (position A).										
	FS 908	2	Single Phase				14		**T0-1-102/EZ/S**	
			115V	200/230V						
			3/4	2						

1) With black handle and silver colored nameplate.
2) With red handle and yellow nameplate, per IEC/EN 60 204-1 Machinery Directive.

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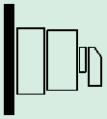
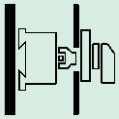
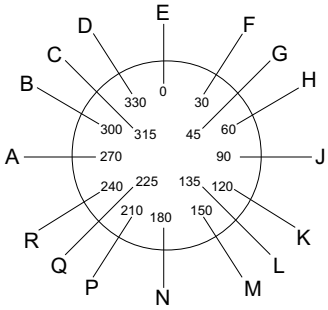
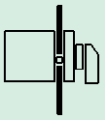
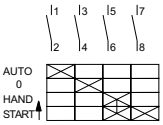
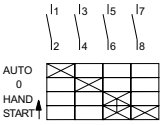
9	10	11	12	13	14
	Surface mounting Enclosure[1] totally insulated	**Price**		**Base mounting** with cover mounted handle and coupling drive	**Price**
					
	Type	$		**Type**	$
	T0-2-1/I1/SVA(S)	See Price List	See Price List	—	See Price List / See Price List
	P1-25/I2/SVA(S)	See Price List	See Price List	—	See Price List / See Price List
	T3-2-1/I2/SVA(S)	See Price List	See Price List	—	See Price List / See Price List
	P1-32/I2/SVA(S)	See Price List	See Price List	—	See Price List / See Price List
	T0-2-1/I1/SVA(A)	See Price List	See Price List	T0-2-1/Z/SVA(A)	See Price List / See Price List
	P1-25/I2/SVA(A)	See Price List	See Price List	P1-25/Z/SVA(A)	See Price List / See Price List
	T3-2-1/I2/SVA(A)	See Price List	See Price List	T3-2-1/Z/SVA(A)	See Price List / See Price List
	P1-32/I2/SVA(A)	See Price List	See Price List	P1-32/Z/SVA(A)	See Price List / See Price List
	T0-2-1/I1/SVA(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	P1-25/I2/SVA(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	T3-2-1/I2/SVA(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	P1-32/I2/SVA(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	T0-2-1/I1/SVC(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	P1-25/I2/SVC(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	T3-2-1/I2/SVC(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	P1-32/I2/SVC(S)-RT	See Price List	See Price List	—	See Price List / See Price List
	T0-1-102/I1/S	See Price List	See Price List	T0-1-102/Z/S	See Price List / See Price List



Code letters corresponding to lockable switch positions
Letter **S** for panic lock with FS 908 GE

Ordering Information:
Specify desired **Type(s)** from Columns 7, 10 and/or 13.

Example: **T3-2-1/E/SVA(S)**

1	2	3	4	5	6
Circuit function diagram	Front plate Number FS...	Amp rating UL CSA		**Cover mounting**	**Price**
	For illustration of Front Plate see Page **6**/51				
		A		**Type**	$
Switches with locking arrangements, Type KMS 1 key					
Hand/Auto Switch with Type SVA cylinder lock The key can be withdrawn in all positions. If the key is withdrawn in the **HAND** position, then **START** can be actuated without the key, but not the **O** position (only permissible with separate **OFF** switch).					See Price List
	FS 1413890	14		**T0-2-15907/E/SVA(C,E,G-J)**	See Price List
		25		**T3-2-15907/E/SVA(C,E,G-J)**	See Price List
Hand/Auto switch with Type SVC padlocking arrangement Locking slide can be padlocked in all positions. If the locking slide is padlocked in the **HAND** position, then **START** can be actuated without removal of the padlock, but not the **O** position (only permissible with separate **OFF** switch).					See Price List
	FS 1413890	14		**T0-2-15907/E/SVC(C,E,G-J)**	See Price List
		25		**T3-2-15907/E/SVC(C,E,G-J)**	See Price List

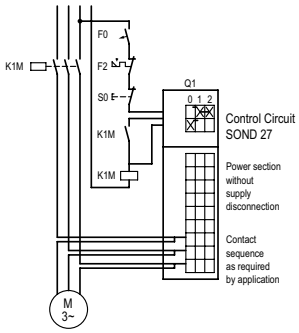
Special application notes:

Contactor interlocking control circuits (SOND...)

Control section for standard contactor interlocking circuits
The electrical interlocking of a rotary cam switch and contactor provides a clean and economical solution to a wide range of control function tasks. For example: remote disconnection via a stop switch, overload protection via overload relays, protection against automatic restarting after a power failure or overload, OFF position interlocking, etc.

The examples shown at right (each standardized contactor interlocking circuit is issued a "SOND..." identification number) are but a few of the possible application schemes which can be realized by the combination of these components.
Note: If the contact sequence of a standard switch is intended to contain a contactor interlocking circuit scheme as well, it can be ordered using another contact sequence number from the Rotary Cam Switch Catalog # K-115 (please consult Moeller Electric), or as a non-standard switch.

Control Circuit Type:
SOND 27



Supply disconnection **only** by contactor.
Restarting possible only after reset with rotary cam switch in the **0** position.
Used mainly for Star-Delta switches (only at 60˚ or 90˚ switching angles).

Note: Switches have black handle with silver colored nameplate.

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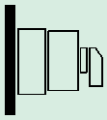
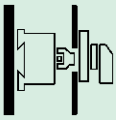
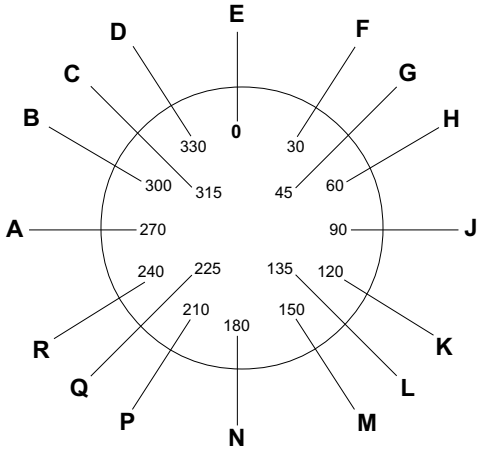
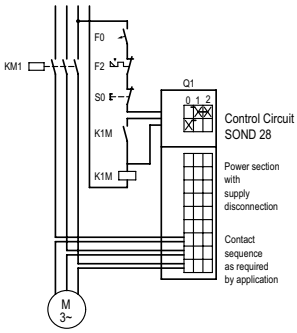
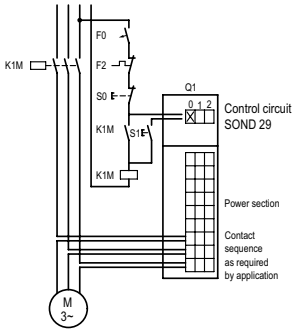
7	8	9	10	11
Surface mounting Enclosure[1)] totally insulated  **Type**	**Price** **$**	**Base mounting** with cover mounted handle and coupling drive  **Type**	**Price** **$**	
	See Price List		See Price List	Cam switches with an SVA locking arrangement can also be used as **Operating Mode Selector Switches** for the purpose of Conformity with the EU **Machine Directive** 89/392 (Switching angle: 60˚).
	See Price List		See Price List	**Code letters corresponding to lockable switch positions**
T0-2-15907/I1/SVA(C,E,G-J)	See Price List	—	See Price List	
T3-2-15907/I2/SVA(C,E,G-J)	See Price List	—	See Price List	
	See Price List		See Price List	
T0-2-15907/I1/SVC(C,E,G-J)	See Price List	**T0-2-15907/Z/SVC(C,E,G-J)**	See Price List	
T3-2-15907/I2/SVC(C,E,G-J)	See Price List	**T3-2-15907/Z/SVC(C,E,G-J)**	See Price List	
	See Price List		See Price List	

Control Circuit Type:
SOND 28



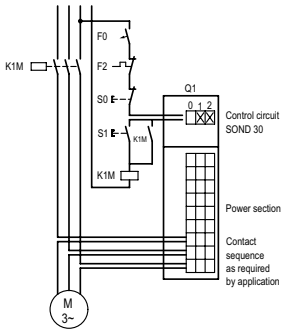
Supply disconnection by combining both contactor **and** rotary cam switch.
Restarting: Same as **SOND 27**
Used mainly for Star-Delta and Transfer switches (only at 60˚ or 90˚ switching angles).

Control Circuit Type:
SOND 29



Power applied by contactor **only** when rotary switch is in the **0** position (Off position interlock).
Used primarily for Star-Delta, Transfer and multi-speed switch applications.

Control Circuit Type:
SOND 30



Power applied by contactor **only** when rotary switch is switched to the run positions.
Each change in switch position causes contactor to drop out.
Used for Transfer and Multi-speed switch applications.

1) Surface mount enclosures are IEC type, totally insulated, corrosion resistant rated IP 65.

Ordering Information: Specify the desired **Type** in Columns 5, 7 and 9.
Example: **T0-2-15907/Z/SVC(C,E,G-J)**

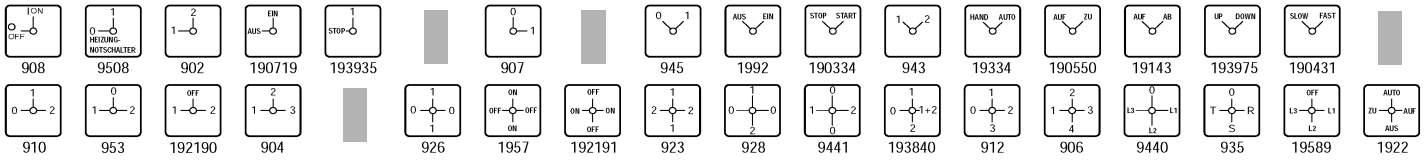
Rotary Cam Switches Type T..., Motor Controllers and Disconnects Type P...
Standard and Special Front plates

1	2	3	4	5	6	7	8
Switch Type	Dimensions	**Type Standard front plate** Insert front plate number	**Price** $	**Type Emergency-stop front plate** Yellow	**Price** $	**Type Blank plate** Can be engraved on rear	**Price** $
Standard front plates							
T0, T3, P1	45 x 45 mm (frame size 48 x 48 mm)	**FS...-T0**	See List Price	**FS 980 GE-T0**	See List Price	**FS 980-T0**	See List Price
P3, T5B	84 x 84 mm (frame size 88 x 88 mm)	**FS...-P3**	See List Price	**FS 980 GE-P3**	See List Price	**FS 980-P3**	See List Price

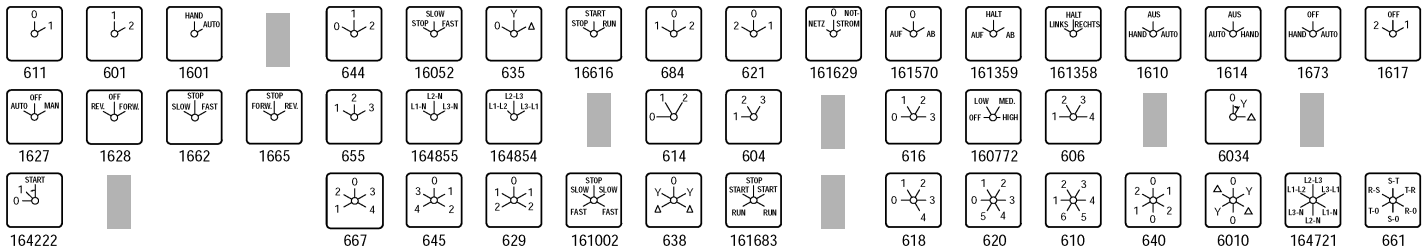
Standard front plates
Silver-colored with black lettering

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 the **0** position must be identical.
To order a different Front plate, just add its FS... number shown below to the switch. Example: **T0-1-8210/E + FS 161570**

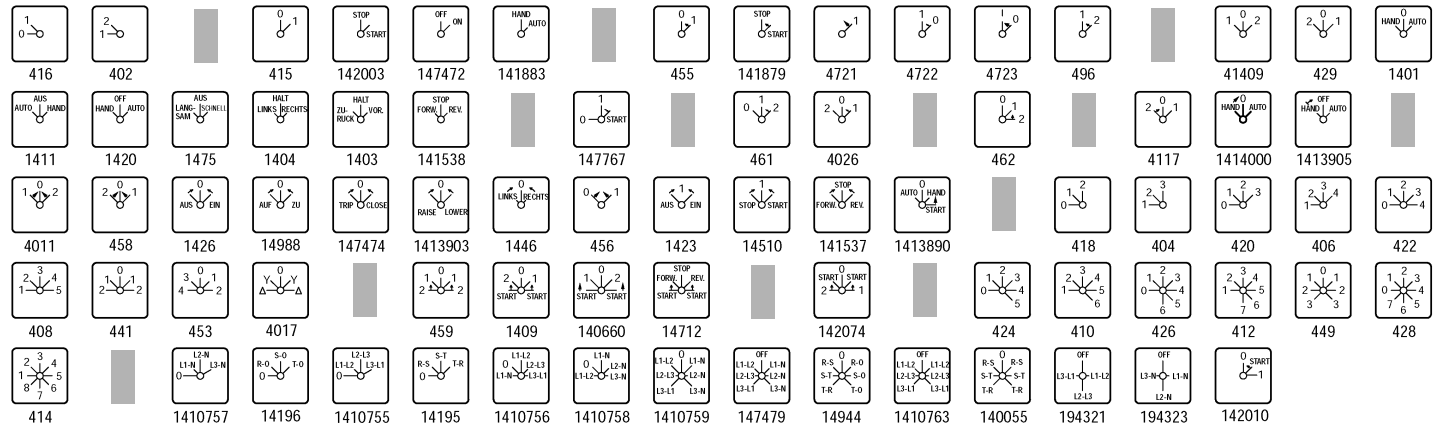
Switching angle 90˚



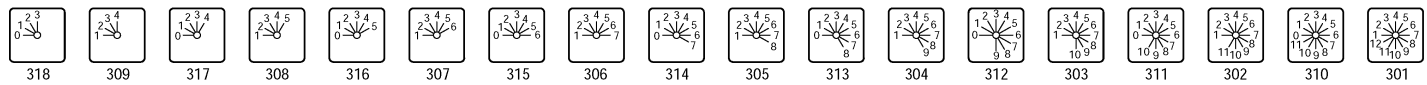
Switching angle 60˚



Switching angle 45˚



Switching angle 30˚



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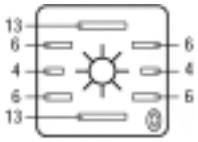
1	2	3	4	5	6
		Type When ordered separately	**Price**	**Type suffix** When ordered with basic switch	**Price**
Height of letters ≤ 2 characters	> 2 characters		$		$
Non-standard front plates			List Price See		List Price See
4.0 mm	3.0 mm	**FS-SOND-T0**		**+FS-SOND-T0**	
8.0 mm	5.0 mm	**FS-SOND-P3**		**+FS-SOND-P3**	

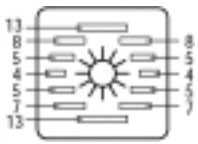
Non-standard front plates
Silver-colored with black lettering
Inscription to order
(note maximum number of characters per section)
The FS number will be sufficient for reordering purposes.
Non-standard **T 0**, **T 3** and **T 5B** switches: Non-Standard Front plate included in price.
Standard switches: Non-Standard Front plate included in price for orders of at least 50 switches.

Switching angle
90°/45°
Maximum number of characters



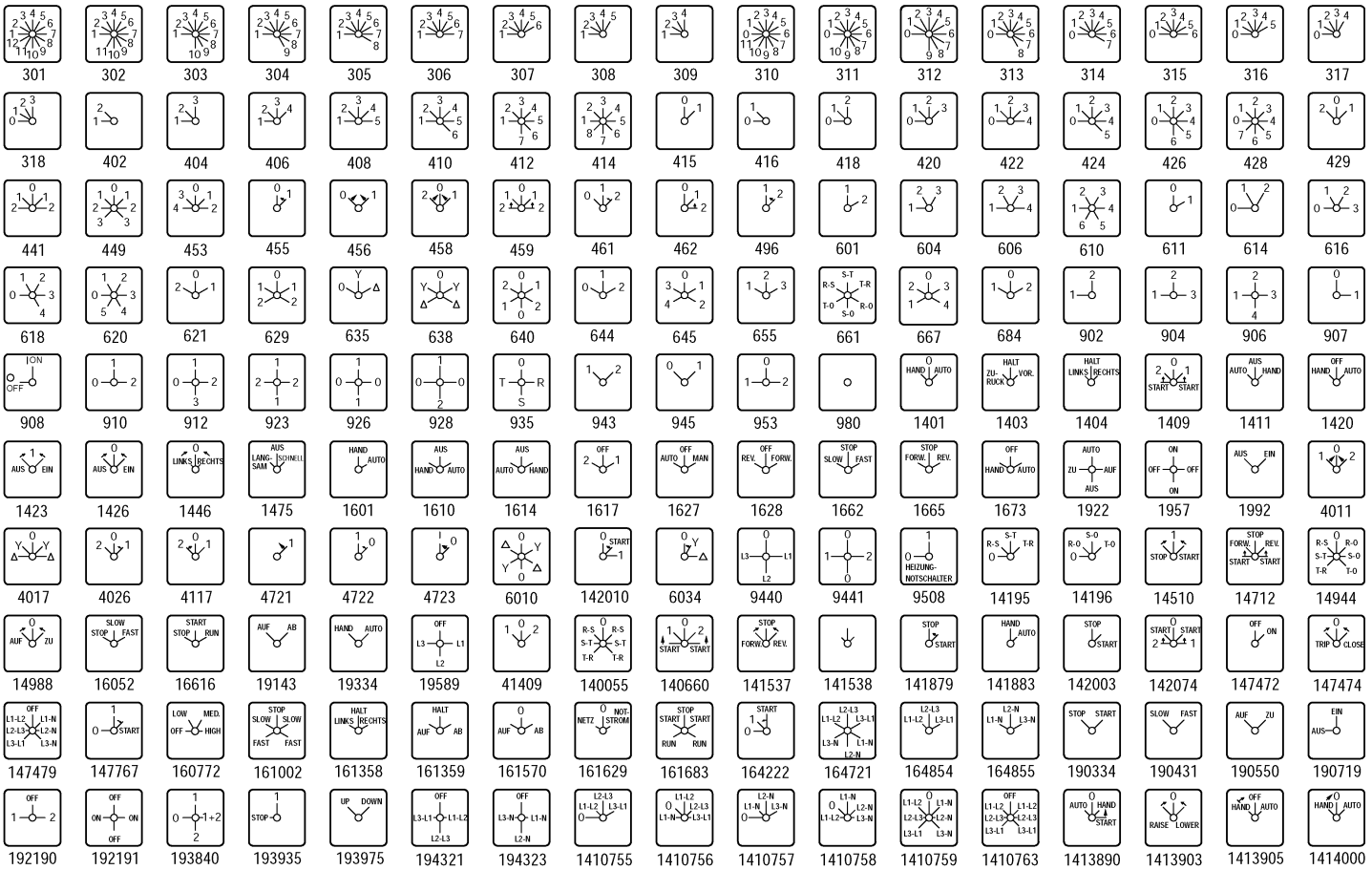
FS-SOND-T0(T3, T5B, P1, P3)

Switching angle
60°/30°
Maximum number of characters



FS-SOND-T0(T3, T5B)

Standard plates arranged according to front plate numbers:



1	2	3	4	5
	For use with		**Type suffix** When ordered with basic switch	**Price** $
Insert plates, clip-on For use with front plates and for padlocking features. Consisting of one label mount, black and one insert label, aluminum colored.				
Blank, can be engraved	**T.../I2/SVB(-SW) and P.../I2/SVB(-SW), except ...I1, 2.../IVS**		—	See Price List
	T..., **P...**, except **.../I1, 2, 3 .../IVS**		—	See Price List
With inscription **"Main Switch - Open only in Off position"**	**T.../E**, **T.../Z**, **P.../E**, **P.../Z** **61/62** = German/English		**+ZFS 61/62-T0**	See Price List
	63 = French		**+ZFS 63-T0**	See Price List
	T.../E, **T.../Z**, **P.../E**, **P.../Z** **61/62** = German/English		**+ZFS 61/62-P3**	See Price List
	63 = French		**+ZFS 63-P3**	See Price List
Label holders, black				
	T.../I2/SVB(-SW) and P.../I2/SVB(-SW), except **...I1, 2.../IVS**		—	
	T..., **P...**, except **.../I1, 2, 3 .../IVS**		—	
Insert label, aluminum colored				
Blank, can be engraved	**ZFSX-T0**		—	
Customized inscription (see lettering info at right) Black lettering			—	
Blank, can be engraved	**ZFSX-P3**		—	
Customized inscription (see lettering info at right) Black lettering			—	
Legend plates, aluminum colored				
Blank, can be engraved	**T0-.../E**, **.../EZ**, **.../Z** **T3-.../E**, **.../EZ**, **.../Z** **P1-.../E**, **.../EZ**, **.../Z**		—	
Customized inscription (see lettering info at right) Narrow script to DIN 30 640, black			—	
Blank, can be engraved	**T5B-.../E**, **T 5B-.../Z** **P3-.../E**, **.../Z**		—	
Customized inscription (see lettering info at right) Narrow script to DIN 30 640, black			—	

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6	7	8	9
Type suffix When ordered separately	**Price** $	Standard Pack	Application notes
ZFS 60-T0	See Price List	25	**ZFS...-T0** and **ZFS...-P3** can optionally be used for **T...** and **P...** switches and for the motor protector **PKZ 2 (See** Section 7).
ZFS 60-P3	See Price List	25	Dimensions with frame W x H = 48 x 17 mm Dimensions with frame W x H = 88 x 27 mm
ZFS 61/62-T0	See Price List	25	Comes already supplied with: **T.../EA/SVB**, **P.../EA/SVB, T.../V/SVB**, **P.../V/SVB**
ZFS 63-T0	See Price List	25	For lettering of alternate languages insert language code in type number:
ZFS 61/62-P3	See Price List	25	Example: **ZFS 68-T0** (Inscription in Italian language)
ZFS 63-P3	See Price List	25	
ZFSX-T0	See Price List	25	**ZFSX...-T0** and **ZFSX...-P3** can optionally be used for any **T...** and **P...** switches
ZFSX-P3	See Price List	25	Dimensions with frame W x H = 48 x 17 mm Dimensions with frame W x H = 88 x 27 mm
BS 45x14-T0	See Price List	25	
BS 45x14-SOND-T0	See Price List	1	Letter height (mm) 3.5 5 7 10 No. of lines 2 2 1 1 Letters/line 20 14 11 9
BS 84x24-P3	See Price List	25	
BS 84x24-SOND-P3	See Price List	1	Letter height (mm) 3.5 5 7 10 No. of lines 4 3 2 2 Letters/line 39 26 20 25
ZS 60-T0	See Price List	1	
ZS-SOND-T0	See Price List	1	Letter height (mm) 3.5 5 7 No. of lines 2 (3)[1] 1 1 Letters/line 23 16 11
ZS 60-P3	See Price List	1	Letter height (mm) 3.5 5 7 No. of lines 6 4 2 Letters/line 41 27 15
ZS-SOND-P3	See Price List	1	Price structure on request

Afrikaans (81) Bulgarian (64) Czech (78) Danish (65)
Dutch (67) Finnish (66) French (63) German (61)
Greek (69) Hungarian (80) Italian (68) Norwegian (70)
Polish (71) Portuguese (72) Romanian (73) Russian (74)
Spanish (77) Swedish (75) Turkish (79) Serbo-Croatian (76)

1) Not for use with **SVB-T0**

1	2	3	4	5
	For use with	Removability of keys	**Type suffix** When ordered with switch	**Price** $
S-T0 key operator accessory, front protected to IP 53 Supplied with two keys				See Price List
Lock mechanism Type KMS 1 (Individual locks, not suitable for master key systems)	**T0-.../E, .../EZ, .../I1, .../Z** Up to 6 contact chambers **T3-.../E, .../I2, .../Z** Up to 5 contact chambers **P1-.../E, .../I2, .../Z**	Removable key positions pre-programmed from factory	**+S-T0**	See Price List
Lock mechanism Type KMS 2 – 10[1)] Lock mechanism Type KMS 201 – 400[1)] (Individual locks, not suitable for master key systems)			**+S-SOND(KMS...)-T0**	See Price List
SAE = Custom Individual lock mechanism supplied with a security certificate. (without master key)			**+S-SOND(SAE)-T0**	See Price List
SA... = Customized Master key system supplied with a security certificate. See notes below.			**+S-SOND-(SA...)-T0**	See Price List
SVA-T 3 cylinder lock, front protected to IP 65 **Supplied** with two keys				See Price List
Key is removable in all positions				See Price List
Lock mechanism Type KMS 1 (Individual locks, not suitable for master key systems)	**T0-.../E, .../I1, .../Z** **T3-.../E, .../I2, .../Z** **P1-.../E, .../I2, .../Z**	Removable key positions pre-programmed from factory	**+SVA-T3**	See Price List
Lock mechanism Type KMS 2 – 10[1)] Lock mechanism Type KMS 201 – 400[1)] (Individual locks, not suitable for master key systems)			**+SVA-SOND-KMS...-T3**	See Price List
Lock mechanism Type KM...			**+SVA-SOND-KM...-T3**	See Price List
Key is removable in customer specified positions				See Price List
Lock mechanism Type KMS 1 (Individual locks, not suitable for master key systems)	**T0-.../E, .../I1, .../Z** **T3-.../E, .../I2, .../Z** **P1-.../E, .../I2, .../Z**	Removable key positions programmed by factory per order specifications	**+SVA(...)-T3**	See Price List
Lock mechanism Type KMS 2 – 10[1)] Lock mechanism Type KMS 201 – 400[1)] (Individual locks, not suitable for master key systems)			**+SVA(...)-SOND-KMS...-T3**	See Price List
SAE = Custom secured lock mechanism, supplied with a security certificate. (Individual lock.)			**+SVA(...)-SOND-SAE-T3**	See Price List
SA... = Master key system (with master key) supplied with a security certificate. See notes below.			**+SVA(...)-SOND-(SA...)-T3**	See Price List

1) Availability for KMS 1 locks is immediate. Please allow 4 to 6 weeks for KMS 2-10, 201-400 lock mechanisms and SA... Master Key assemblies.
2) SA... 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 it 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 # X4711, Position 7.

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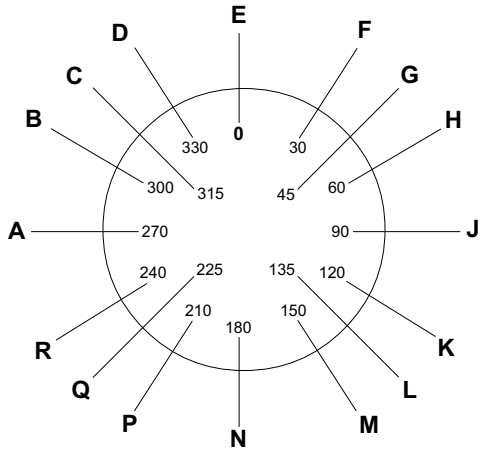
6	7	8	9
Removability of keys	**Type suffix** When ordered separately	**Price** $	Application notes
Removable key positions programmed on site	**S-T0**	See Price List	**S-T0** can be used for **P1-...** controllers, **T0** switches with up to 6 chambers **(T0-1...T0-6...)** and **T3** switches with up to 5 chambers **(T3-1...T3-5...).** 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 nameplate (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 the locking cam accessory **"VR-T0"** . If the **S-T0** is subsequently installed use the front plate supplied with switch for position locations. 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.
	S-SOND(KMS...)-T0	See Price List	
	S-SOND(SAE)-T0	See Price List	
	S-SOND-(SA...)-T0	See Price List	
Removable key positions programmed on site	**SVA-T3**	See Price List	**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 as well 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 colored front plate. Suitable as a "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).
	SVA-SOND-KMS...-T3	See Price List	
	SVA-SOND-KM...-T3	See Price List	
Removable key positions programmed by factory per order specifications	**SVA(...)-T3**	See Price List	
	SVA(...)-SOND-KMS...-T3	See Price List	
	SVA(...)-SOND-(SAE)-T3	See Price List	
	SVA(...)-SOND-(SA...)-T3	See Price List	



Letter **S** designates panic lock switch with E-Stop FS 908 GE front plate (yellow)

Ordering Information:
Specify desired Type from Columns 4 (when ordering with the switch) or 7 (when ordering separately).
Example**: SVA(A-J)-SOND-(SAE)-T3**

1	2	3	4	5
	For use with	Interlocking provisions	**Type suffix** When ordered with switch	**Price** $
SVC-T 3 padlocking feature, front protected to IP 65 The locking slide can be padlocked in the pushed-in, position with up to 3 padlocks 				See Price List
Select this accessory if all switch positions need to be locked.	**T0-.../E, .../I1, .../Z** **T3-.../E, .../I2, .../Z** **P1-.../E, .../I2, .../Z**	Interlocked positions pre-programmed from factory	**+SVC-T3**	See Price List
Select this accessory if only certain positions or ranges need to be locked.	**T0-1 up to T0-4.../I1, .../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	**+SVC(...)-T3**	See Price List
DTV-T 3 push-release interlock, front protected to IP 65 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 can not be operated. 	**T0-.../E, .../I1, .../Z** **T3-.../E, .../I2, .../Z** **P1-.../E, .../I2, .../Z** padlockable with up to 2 padlocks	Interlocked positions pre-programmed from factory	**+DTV-T3**	See Price List
To be used if only certain positions need to be locked. Push-release locking slide can be padlocked in its release state with up to 2 padlocks.		Interlocked positions programmed by factory per order specifications	**+DTV(...)-T3**	See Price List
Locking cams (2 cams per set) Select this accessory to change the position in which key can be removed 	**S-T0,** for all switching angles		—	See Price List
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 a qty. of 2 (2 x **VR-T3)**		—	See Price List
Spare Keys 				See Price List
For individual lock mechanisms Type KMS1	**S-T0**, **SVA-T3**		—	See Price List
For KMS 2 – 10 or KMS 201 – 400 individual lock mechanisms	**S-T0**, **SVA-T3**		—	See Price List
For Master Key Systems and registered lock mechanisms: Specify assigned plan number and the lock number position.	**S-T0**, **SVA-T3**		—	See Price List

Ordering Information: Specify Types from Columns 4 and 7.

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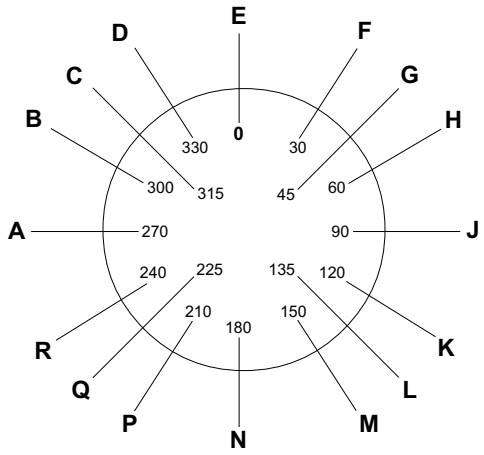
6	7	8	9
Interlocking provisions	**Type** When ordered separately	**Price** $ each	Application notes
Interlocked positions programmed on site	**SVC-T3**	See Price List	**SVC-T3** will fit on all **T0**, **T3** and **P1** switches. Switching is carried out using the thumb-grip handle. Pushing in the locking slide will interlock the position, which can then be padlocked off with up to 3 padlocks. Supplied as standard, all positions can be inter-locked. 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 specified as follows: Example 1: **SVC(A)-T3** = Only position **A** is interlocked. Example 2: **SVA(A,E)-T3** = Positions **A and E** are interlocked. Example 3: **SVA(A–J)-T3** = Positions **A through J** are interlocked. (Range). Example 4: **DTV(G)-T3** = The 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 colored front-plate. Suitable as a "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 mounted use the front plate supplied with the switch for position indication. For the "S" Panic switch version, always use front-plate Type FS 908 GE, which has the proper yellow background coloring.
Interlocked positions programmed by factory per order specifications	**SVC(...)-T3**	See Price List	
	—	See Price List	
	—	See Price List	
	VR-T0	See Price List	
	VR-T3	See Price List	
	SVS-KMS1	See Price List	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: **GHS-SA(A6294)-$^1/_2$**
	SVS-KM...	See Price List	
	SVS-SA(...)	See Price List	



1	2	3	4	5
	For use with		**Type suffix** When ordered with basic unit	**Price** $
Padlockable Handles				
For Main Disconnect switches **with** Emergency-stop function [1] Up to 4 chambers (8 contacts) are permissible for **T0**, and up to 6 chambers (12 contacts) for **T3** switches as Main Disconnects.	**T0-.../E, .../Z, .../I1** **T3-.../E, .../Z, .../I2** **P1-.../E, .../Z, .../I2**		**+SVB-T0**	See Price List
	T5B-.../E, .../Z, .../I4 **P3-63/E, .../Z, .../I4** **P3-100/E,.../Z,.../I5**		**+SVB-P3**	See Price List
Same, but For Main Disconnect switches **without** Emergency-stop function: Black handle, Black locking collar.	**T0-.../E, .../Z, .../I1** **T3-.../E, .../Z, .../I2** **P1-.../E, .../Z, .../I2**		**+SVB-SW-T0**	See Price List
	T5B-.../E, .../Z, .../I4 **P3-63/E, .../Z, .../I4** **P3-100/E,.../Z,.../I5**		—	See Price List
Padlockable Handles, with PE and N terminals				
For Main Disconnect switches **with** Emergency-stop function [1] Up to 4 chambers (8 contacts) are permissible for **T0**, and up to 6 chambers (12 contacts) for **T3** switches as Main Disconnects.	**T0-.../E,.../Z** **T3-.../E,.../Z**		—	See Price List
	T5B-.../E,.../Z		—	See Price List
Same, but For Main Disconnect switches **without** Emergency-stop function: Black handle, Black locking collar.	**T0-.../E,.../Z** **T3-.../E,.../Z**		—	See Price List
	T5B-.../E,.../Z		—	See Price List
Thumbgrip handles				
Black	**T0-.../E, .../EZ, .../IVS, .../Z, .../I1** **T3-.../E, .../EZ, .../IVS, .../Z, .../I2** **P1-.../E, .../EZ, .../IVS, .../Z, .../I2**		—	See Price List
Red	**T0-.../E, .../IVS, .../Z, .../I1** **T3-.../E, .../IVS, .../Z, .../I2** **P1-.../E, .../IVS, .../Z, .../I2**		**+KNB-RT-T0**	See Price List
Black	**T5B-.../E, .../Z, .../I4** **P3-63/E,.../Z, .../I4** **P3-100/E,.../Z,.../I5**		—	See Price List
Red	**T5B-.../E, .../Z, .../I4** **P3-63/E,.../Z, .../I4** **P3-100/E,.../Z,.../I5**		**+KNB-RT-P3**	See Price List
Maintenance Handle				
Designed for cover interlocked switches mounted in panels	**T0-.../V, T 3-.../V** **P1-.../V**		—	See Price List
	T5B-.../V **P3-.../V**		—	See Price List

1) Main Disconnect switches which fulfill the function of Emergency-stop have red handles and yellow collars and are padlockable in the OFF position only (IEC/EN 60 204-1).

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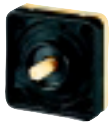
6	7	8
Type When ordered separately	**Price** $	Application notes
SVB-T0 **SVB-P3**	See Price List	For padlocking switch in the **OFF** position. Exclusive for 90˚ switching angle switches such as the ones using Type FS 908 (GE) as a front plate. Will accept a maximum of 3 padlocks. FS 908
SVB-SW-T0 **SVB-SW-P3**	See Price List	Same as above except that, on demand, handle can also be padlockable in the ON position. (Not permissible for red-yellow E-Stop versions). Will accept a maximum of 3 padlocks. Note: The red and yellow colored handles should be used **only if** the switch fulfills the function of Emergency-OFF. Otherwise, select the black version for Main Disconnect applications.
V/EA/SVB-T0 **V/EA/SVB-T5** **V/EA/SVB-SW-T0** **V/EA/SVB-SW-T5**	See Price List	These kits can be used to convert from one mounting form to another: 1) **T.../E** cover mounting switches (with front plate **FS 908** and thumb-grip handle) into **T.../EA/SVB...** cover mounting Main Disconnect switches with padlockable handle. or, 2) **T.../Z** base mounting switches (with front plate **FS 908** and thumb-grip handle) into **T.../V/SVB** base mounting Main Disconnect switches with padlockable handle and cover interlock feature. Note: The red and yellow colored handles should be used **only if** the switch fulfills the function of Emergency-OFF. Otherwise, select the black version for Main Disconnect applications.
KNB-T0 **KNB-RT-T0** **KNB-P3** **KNB-RT-P3**	See Price List	The **red** color handle is used internationally to denote an Emergency-stop function and should be combined with the **yellow** color nameplate Type: **FS 908 GE-T0**. Please order separately. The **red** color handle used internationally to denote an Emergency-stop function and should be combined with the **yellow** color nameplate Type: **FS 908 GE-P3**. Please order separately.
KNK-T0 **KNK-P3**	See Price List	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 the intent of the Machinery Directive Standard (EN 60 204 Part 1), the **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.

Ordering Information: Specify Types from Columns 4 and 6.

1	2	3	4	5
	For use with		**Type suffix** When ordered with basic switch	**Price** $
Auxiliary contacts for P... Switches Each module has one N.O. and one N.C. contact. 2 Modules max. per 3 pole switch				See Price List
Mounts to the left **and/or** right of 3-pole Type **P...** cover mounted controllers and disconnects.	**P1-.../E**, **.../EA**, **.../EZ** **P3-.../E**, **.../EA**		**+HI11-P1/P3E**	See Price List
Mounts to the left **and/or** right of 3-pole Type **P...** base mounted controllers and disconnects. Exception: **P1-.../I2**: Only one module, mounted on the left.	**P1-.../Z**, **.../V**, **.../I2**, **.../IVS** **P3-63/Z**, **.../V**, **.../I4**, **.../IVS** **P3-100/Z**, **.../V**, **.../I5**, **.../IVS**		**+HI11-P1/P3Z**	See Price List
Mounting aids Will enable a cover mounted switch to mount in a 22.5 mm opening (same as a 22.5 mm pilot device)				See Price List
With Front plate	**T0-.../E**, **T3-.../E**		**+EZ-T0**	See Price List
Without Front plate (to accommodate custom engraved front plate)	**T0-.../E**, **T3-.../E**		**+EZ/OFS-T0**	See Price List
For both 22.5 mm and 30.5 mm apertures	**T0-.../E**, **T3-.../E**, **P1-.../E**		**+EZ-P1**	See Price List
Cover for base mounted T0 switches				See Price List
Includes plug-in shaft to accommodate thumb-grip handle.	**T0-.../XZ**		**+IVS-T0**	See Price List
Coupling drive Supplied with plug-in shaft to accommodate handle.	**T0-.../XZ** **T3-.../XZ**		—	See Price List
	T5B-.../E **P3-.../E**		—	See Price List

Ordering Information: Specify Types from Columns 4 and 6.

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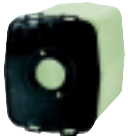
6	7	8
Type When ordered separately	**Price** $	Application notes
HI11-P1/P3E **HI11-P1/P3Z**	See Price List	The N.O. (Normally Open) auxiliary contact is always switching as a load-shedding contact, i.e. it operates as a late make and early break contact with respect to the main power (L1, L2, L3) contacts. 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.
EZ-T0 **EZ/OFS-T0**	See Price List	The switch snap fits into place and speeds up mounting in panel walls, plates and doors. Will also accommodate legend plates from the RMQ 22 line of 22.5 mm pilot devices (Refer to Section 5 for selection.)
EZ-P1	See Price List	Permits one-person mounting of the switch in a 22.5 mm or 30.5 mm opening. Mounting is done with screws. Will also accommodate legend plates from the RMQ 22 line of 22.5 mm pilot devices (Refer to Section 5 for selection.)
IVS-T0	See Price List	Cover for a 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.
DE-T0 **DE-P3**	See Price List	Linking mechanism used in the conversion of a basic switch (Type **T0(T3)-.../XZ**) into a base mounted version (**.../Z**). Includes plug-in shaft to accommodate handle. Can also be stocked as a spare part for the **T0(T3**, **P1)-.../Z** switch. For conversion of **T5B-.../E** cover mounted switches into **T5B-.../Z** base mounted switches. Can also be stocked as a spare part for the **T5B(P3)-.../Z** switch.

1	2	3	4	5
	For use with		**Type suffix** When ordered with basic switch	**Price** $
Terminals, Cover Interlocks and extensions				
Provides cover mounted switches with 2 terminals for connection of ground (PE) and neutral (N) conductors	**T0-.../E, .../EZ** **T3-.../E, .../EZ** **P1-.../E, .../EZ**		**+UV-T0**	See Price List
	T5B-.../E **P3-.../E**		**+UV-P3**	See Price List
Provides base mounted switches with a cover interlock and 2 terminals for connection of ground (PE) and neutral (N) conductors	**T0-.../Z** **T3-.../Z** **P1-.../Z**		**+UV-T0**	See Price List
	T5B-.../Z **P3-.../Z**		**+UV-P3**	See Price List
Cover Interlock extensions				
Plugs directly into the **UV-T0** and **UV-P3** cover interlocks. Each extension is 25 mm in length. A maximum number of 4 extensions can be plugged in at one time. The number of interlock extensions must be matched by an equal number of shaft extensions. (see next item)	**UV-T0**		**+ZVV-T0**	See Price List
	UV-P3		**+ZVV-P3**	See Price List
Shaft extensions				
Plugs directly into the switch shaft. Each shaft extension is 25 mm in length. A maximum number of 4 extensions can be plugged in at one time.	**T0-.../Z** **T3-.../Z** **P1-.../Z**		**+ZAV-T0**	See Price List
	T5B-.../Z **P3-.../Z**		**+ZAV-P3**	See Price List
Switch and Terminal covers				
Will accommodate cover mounted switches with up to 4 contact chambers	**T0-.../E** **T3-.../E** **P1-.../E**		—	See Price List
Shrouds for protection against accidental contact				
Will provide additional protection of terminals for switches with up to 2 contact chambers.	**T5B-.../E, .../Z**		—	See Price List
Will extend protection afforded by the **H1-T5** cover for up to 8 contact chambers.	**H1- T5**		—	See Price List
For additional protection of field wiring terminals on **P1** controllers and disconnects	**P1-.../E, .../EZ, .../Z, .../EA, .../V**		—	See Price List
For additional protection of field wiring terminals on **P1** controllers and disconnects with auxiliary contacts.	**P1-...HI11**		—	See Price List
For additional protection of field wiring terminals on **P3** controllers and disconnects with auxiliary contacts.	**P3-.../E, .../Z, .../EA, .../V** **P3-...HI11**		—	See Price List

Ordering Information: Specify Types from Columns 4 and 6.

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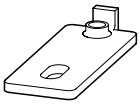
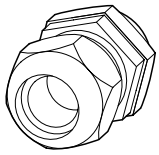
6	7	8
Type When ordered separately	**Price** $	Application notes
UV-T0 **UV-P3**	See Price List	The accessory features a set of terminals for connection of ground (PE) and neutral (N) conductors and mounts on the back side of the cover mounted switch to provide easier access to these terminals.
UV-T0 **UV-P3**	See Price List	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.
ZVV-T0 **ZVV-P3**	See Price List	Refer to page **6**/82 for hints on matching switch heights when mounting into an enclosure
ZAV-T0 **ZAV-P3**	See Price List	Refer to page **6**/82 for hints on matching switch heights when mounting into an enclosure
H3-T0	See Price List	
H1-T5	See Price List	Can be used to shield incoming and/or outgoing conductors. Order two covers in the case of both.
HZ-T5	See Price List	1 **HZ-T5** required per additional contact chamber
H-P1	See Price List	Can be used to shield incoming and/or outgoing conductors. Order two covers in the case of both.
H-P14	See Price List	Can be used to shield incoming and/or outgoing conductors. Order two covers in the case of both.
H-P3	See Price List	Can be used to shield incoming and/or outgoing conductors. Order two 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.

1	2	3	4	5
	For use with	**Type**	**Price** $	**Notes**
Insulated enclosures[1] **IP 65**[2] totally insulated			See Price List	
1 – 2 contact units	**T0-.../XZ**	**CI-K1-T0-2**		Cable sizes which may be pushed through the membrane
3 – 4 contact units	**T0-.../XZ**	**CI-K1-T0-4**		
1 – 2 contact units	**T3-.../XZ** **P1-...**	**CI-K2-T3-2**		
3 – 5 contact units	**T3-.../Z**	**CI-K2-T3-5**		
1 – 2 contact units	**T5B-.../E** **P3-63/...**	**CI-K4-T5B-2**		
3 – 4 contact units	**T5B-.../Z**	**CI-K4-T5B-4**		
1 – 2 contact units	**P3-100/...**	**CI-K5-T5-2**		
Set of external fixing brackets				
	**T5B-.../I4,** **P3-63/I4, P3-100/I5**	**AB-CI-K4/5**		
Metric cable fastener to EN 50 262				
	Thread size			
	M20	**V-M20**		
	M25	**V-M25**		
	M32	**V-M32**		
	M50	**V-M50**		
Metric cable grommets to EN 50 262				
	For M20	**KT-M20**		
	For M25	**KT-M25**		
	For M32	**KT-M32**		

Type	Port entry diameter	
	Power cable	Control cable
CI-K1-T0-...	12 mm	—
CI-K2-T3-...	16 mm	8 mm

1) Enclosures designed for metric cable fasteners to EN 50 262
2) Maximum degree of protection with cable passing through membrane: IP 54

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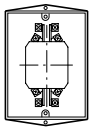
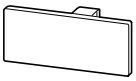
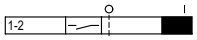
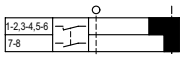
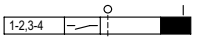
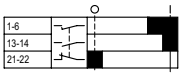
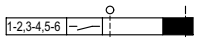
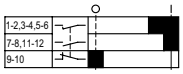
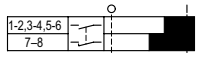
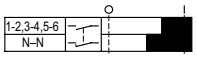
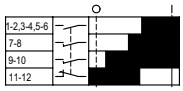
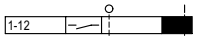
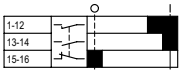
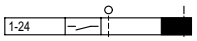
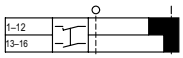
1	2	3	4	5
	For use with	Type	Price $	Notes
Set of extension terminals For cable connection in the bottom contact chamber of the enclosure 	**T5B-.../I4**	**AW-T5-1/2**	See Price List	Included with **T5B-.../I4** as standard. Fit **T5B** with extension terminals to install it as **T5B-.../E** in an insulated enclosure.
Indicator lights with neon bulb For mounting in enclosure covers 				
Color: White Voltage range: 230 – 400 V	**P1-.../I2, P3-.../I..., T...-.../I...**	**L-PKZ 0 (400 V)**	See Price List	Other voltages, see page **7**/15
Color: Green Voltage range: 230 – 400 V		**L-PKZ 0-GN (400 V)**	See Price List	
Color: Red Voltage range: 230 – 400 V		**L-PKZ 0-RT (400 V)**	See Price List	
Indicator lights, conical (without bulb) For mounting in cable entries 				
Color: Red	**P1-.../I2, P3-.../I..., T...-.../I...**	**L-R**	See Price List	For neon bulbs and BA 9s filament bulbs up to 2.4 W
Color: White		**L-W**	See Price List	
Color: Green		**L-G**	See Price List	
Color: Yellow		**L-Y**	See Price List	
XGKS component labeling system Label plate with fixing stud  18 x 17.5 mm	**T0-...** **T3-...** **T5B-...** **P1-...** **P3-...**	**XGKS-Z**	See Price List	

1	2	3	4	5	6
	Basic type	**Contact sequence**		**Basic type**	**Contact sequence**
Main switches On-Off switches Safety switches without auxiliary contacts Switching angle 90˚	**T0-1-8200/... T3-1-8200/... T5B-1-8200/...**		**Main switches On-Off switches Safety switches with auxiliary contacts Switching angle 90˚**	**T0-2-15679/...**	
	T0-1-102/... T3-1-102/... T5B-1-102/...			**P1-25/.../HI11 P1-32/.../HI11 P3-63/.../HI11 P3-100/.../HI11**	
	T0-2-1/... P1-25/... P1-32/... P3-63/... P3-100/...			**T0-3-15683/... T3-3-15683/...**	
	T0-2-8900/...	 		**T0-3-15681/... T3-3-15681/... T5B-3-8901/...**	
	T0-3-8342/... T3-3-8342/... T5B-3-8342/...			**T0-4-15682/... T3-4-15682/... T5B-4-15682/...**	
	T0-4-8344/... T3-4-8344/... T5B-4-8344/...			**T5B-4-8903/...**	

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1				2	3	4	5
					T0-...	**T3-...**	**T5B-...**
General							
Standards					IEC/EN 60 947, IEC/EN 60 204, CSA, UL Switch disconnectors to IEC/EN 60 947 Part 3 Load-break switches to IEC/EN 60 947 Part 3		
Lifespan, mechanical			Operations		> 10^6	5 x 10^5	5 x 10^5
Max. operating frequency				Ops./h	3000	3000	3000
Climatic proofing					Damp heat, constant, to IEC 60 068 Part 2-3 Damp heat, cyclic, to IEC 60 068 Part 2-30		
Ambient temperature		Open	Min./Max.	˚C	–25/+50	–25/+50	–25/+50
		Enclosed	Min./Max.	˚C	–25/+40	–25/+40	–25/+40
Mounting position					As required		
Dimensions					See page **6**/72-76	See page **6**/72-76	See page **6**/77-78
Mechanical shock resistance (shock duration 20 ms)				g	> 15	> 15	> 15
Main Contact Ratings per IEC/EN 60 947							
Rated operational voltage U_e				V AC	690	690	690
Rated impulse withstand voltage U_{imp}				V	6000	6000	6000
Overvoltage category/pollution degree					III/3	III/3	III/3
Rated uninterrupted current I_u open/I_{the} enclosed (with max. cable connected)				A	22/20	25/32	72/63
Short-circuit rating		max. fuse		A gL	20	25	80
Rated short-time withstand current (1 s current) I_{cw}				A_{rms}	320	650	1300
Main Contact Ratings per UL/CSA							
Rated operational voltage				V AC	600	600	600
Rated uninterrupted current (general use)				A	14	25	65
Control Contact Ratings per IEC/EN 60 947							
AC-15	Control Switches	Rated operational current I_e 220-240/380-415/500V		A	6/4/2	10/6/4	16/6/4
DC-13	Control Switches L/R = 50 ms	Rated operational current I_e		A	10	20	25
		Voltage per contact pair in series		V	32	32	24
Control Contact Ratings per UL/CSA							
Pilot Duty					A 600, P 600	A 600	-
Universal Device Ratings							
Protection against direct contact per IEC					Finger- and back-of-hand proof to IEC 536		
Environmental ratings per UL/NEMA				Type	1, 3R, 12	1, 3R, 12	1
Switching angles					90˚/60˚/45˚/30˚	90˚/60˚/45˚/30˚	90˚/60˚/45˚/30˚
Contact chambers				Max.	11	11	10
Double-break contacts				Max.	22	22	20
Current heat loss per contact at I_e				W	0.6	1.1	4.5
Control circuit reliability		Fault probability		H_F	<10-5, <1 fault in 100,000 operations		

1	2	3	4	5	6
			T0-...	**T3-...**	**T5B-...**
Switching Capacity per IEC/EN 60 947					
AC					
Rated making capacity	cos φ = 0.35	A	130	320	800
Rated breaking capacity	230 V AC, cos φ = 0.35	A	100	260	520
Motor load switches	400 V AC, cos φ = 0.35	A	110	260	600
	500 V AC, cos φ = 0.35	A	80	240	480
	690 V AC, cos φ = 0.35	A	60	170	340
Short Circuit Current rating per UL/CSA					
Manual Motor Controller	600 V AC	kA	5	5	5
With backup fuse		A	50	80	Class J
With circuit breaker		Type	NZM(H) 6(B)[2]	NZM(H) 6(B)[2]	
Circuit breaker current rating		A	50	125	
Motor Disconnect	600 V AC	kA	10	10	
With backup fuse		Class	20 A/J	40 A/J	
Terminal Capacity per IEC/EN 60 947					
Solid or stranded[1]		mm^2	1 x (1-2.5)	1 x (1-6)	1 x (2.5-35)
		mm^2	2 x (1-2.5)	2 x (1-6)	2 x (2.5-16)
Flexible including ferrule[1] (ferrule to DIN 46 228)		mm^2	1 x (0.75-1.5)	1 x (0.75-4)	1 x (1.5-25)
		mm^2	2 x (0.75-1.5)	1 x (0.75-4)	2 x (1.5-10)
Terminal screw (metric size)			M3.5	M4	M6
Terminal Capacity per UL/CSA					
Cu cable	Min./Max.	AWG	18/14	14/10	12/4
torque		Nm	1	2	4

1) **T0 (3)-...**: maximum two sizes difference admissable between two conductors
T5B-...: maximum two sizes difference admissable between two conductors

2) Consult section 8 of this catalog for more information on the type **NZM(H) 6(B)** circuit breakers.

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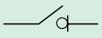
1			2	3	4	5	6
				P1-25	**P1-32**	**P3-63**	**P3-100**
General							
Standards				IEC/EN 60 947, IEC/EN 60 204, CSA, UL Switch disconnectors to IEC/EN 60 947-3 			
Lifespan, mechanical		Operations		3×10^5	3×10^5	10^5	10^5
Max. operating frequency			Ops./h	50	50	50	50
Climatic proofing				Damp heat, constant, to IEC 60 068 Part 2-3 Damp heat, cyclic, to IEC 60 068 Part 2-30			
Ambient temperature	Open	Min./Max.	˚C	–25/+50	–25/+50	–25/+50	–25/+50
	Enclosed	Min./Max.	˚C	–25/+40	–25/+40	–25/+40	–25/+40
Mounting position				As required	As required	As required	As required
Dimensions				See pages **6**/79 - 81	See pages **6**/79 - 81	See pages **6**/79 - 81	See pages **6**/79 - 81
Mechanical shock resistance (shock duration 20 ms)			g	> 20	> 20	> 20	> 20
Main Contact Ratings per IEC/EN 60 947							
Rated operational voltage U_e			V AC	690	690	690	690
Rated impulse withstand voltage U_{imp}			V	6000	6000	6000	6000
Overvoltage category/pollution degree				III/3	III/3	III/3	III/3
Rated uninterrupted current I_u (with max. cable connected)			A	25	32	63	100
Short-circuit rating	max. fuse		A gL	25	50	80	100
Rated short-time withstand current (1 s current) I_{cw}			A_{rms}	640	640	1260	2000
Main Contact Rating per UL/CSA							
Rated operational voltage			V AC	600	600	600	600
Rated uninterrupted current (general use)			A	20	30	60	100
Control Contact Ratings per UL/CSA							
Pilot Duty				A 600, P 600	A 600, P 600		
Universal Device Ratings							
Protection against direct contact per IEC				Finger- and back-of-hand proof to IEC 536			
Environmental ratings per UL/NEMA			Type	1, 3R, 12	1, 3R, 12	1	1
Switching angles				90˚	90˚	90˚	90˚
Contacts (current paths)			Max.	7	7	7	7
Current heat loss per contact at I_e			W	1.1	1.8	4.5	7.5

Note: Main switch characteristics to IEC/EN 60 204; positive opening of contacts, operator element positively located on shaft

Cam Switches, Manual Motor Controllers and Disconnects
Technical Data for Type P Switches

1	2	3	4	5	6	7
			P1-25	**P1-32**	**P3-63**	**P3-100**
Switching Capacity AC						
Rated making capacity	cos φ = 0.35	A	240	320	800	950
Rated breaking capacity	230 V AC, cos φ = 0.35	A	190	260	640	760
Motor load switches	400 V AC, cos φ = 0.35	A	150	300	600	740
	500 V AC, cos φ = 0.35	A	170	290	590	880
	690 V AC, cos φ = 0.35	A	150	250	340	520
						100
Short Circuit Current Ratings per UL/CSA						
Manual Motor Controller	600 V AC	kA	5	5	10	10
With backup fuse		A	110	110	150	150
With circuit breaker		Type	NZM(H) 6(B)[2]	NZM(H) 6(B)[2]	NZM(H) 6(B)[2]	NZM(H) 6(B)[2]
Circuit breaker current rating		A	125	125	125	125
Motor Disconnect	600 V AC	kA	10	10	10	10
With backup fuse		Class	50 A/J	50 A/J	100 A	100 A
Terminal Capacity per IEC/EN 60 947						
Solid or stranded[1]		mm^2	1 x (1.5-6)	1 x (1.5-6)	1 x (2.5-35)	1 x (2.5-35)
		mm^2	2 x (1.5-6)	2 x (1.5-6)	2 x (2.5-10)	2 x (2.5-10)
Flexible including ferrule[1] (ferrule to DIN 46 228)		mm^2	1 x (1-4)	1 x (1-4)	1 x (1.5-25)	1 x (1.5-25)
		mm^2	2 x (1-4)	2 x (1-4)	2 x (1.5-6)	2 x (1.5-6)
Terminal screw (metric size)			M4	M4	M5	M5
Terminal Capacity per UL/CSA						
Cu cable	Min./Max.	AWG	14/8	14/8	14/3	14/3
Torque		Nm	1.6	1.6	4	4

1) **P1-...**: two sizes difference admissable between two conductors
P3-...: two sizes difference admissable between two conductors

2) Consult section 8 of this catalog for more information on the type NZM(H) 6(B) circuit breakers.

Auxiliary Contacts			**HI11-P1/P3**
IEC Ratings			
Standards			Control circuit isolators to IEC/EN 60 947-5
Rated insulation voltage U_i		V AC	500
Rated uninterrupted current I_u	with max. cable connected	A	10
Rated operational current I_e			
AC-15	220-240/380-415/500 V	A	6/4/3
Short-circuit rating without welding	Maximum fuse	A gL	10
Terminal capacity	Min. solid/ferrule	mm^2	0.75/0.5
	Max. solid/ferrule	mm^2	2.5/1.5
Control circuit reliability	Fault probability	H_F	<10-5, <1 fault in 100,000 operations
	24 V DC, 10 mA		
UL/CSA Ratings			
Rated operational voltage		V AC	600
Rated continuous current (general use)		A	10
Pilot Duty			A 600, P 600

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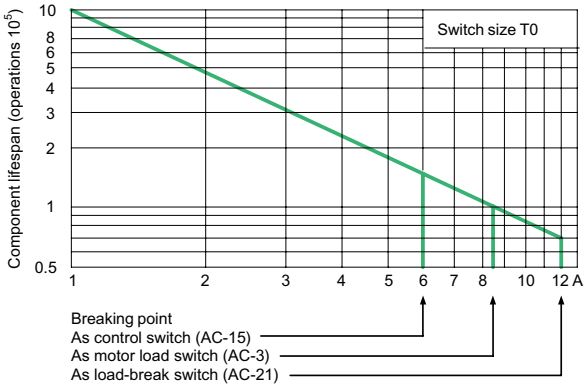
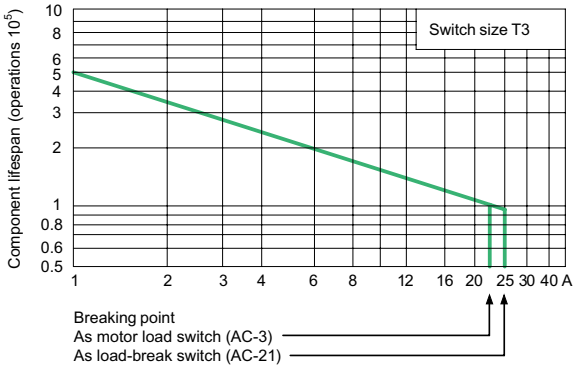
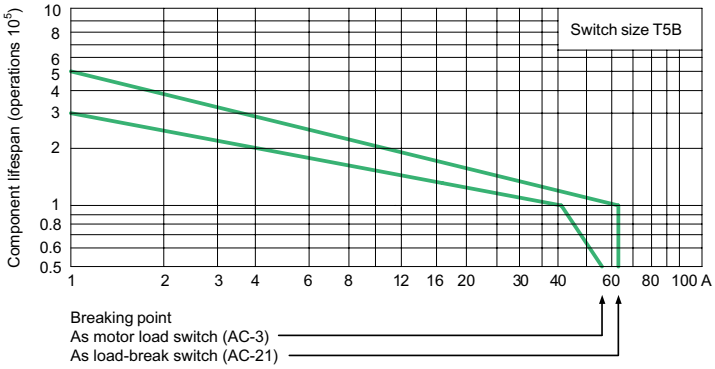
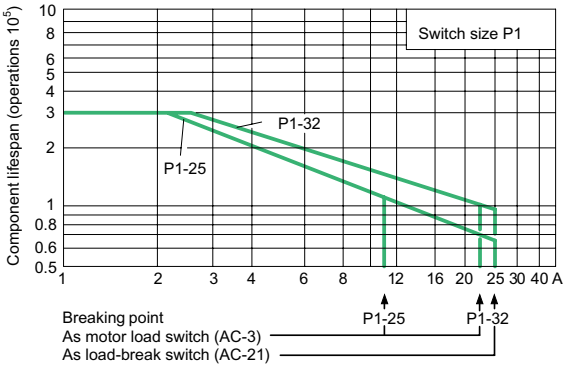
General

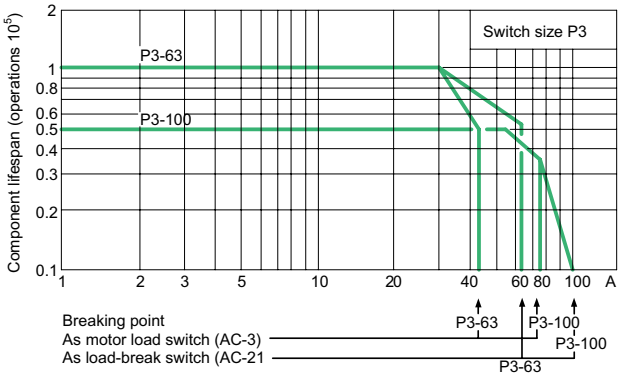
In order to achieve a reasonable lifespan in utilization category AC-4 (severe duty: 100% inching, reversing or plugging), the stalled motor currents should not exceed the rated current of the switch at AC-21.





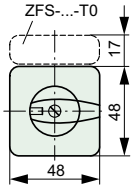


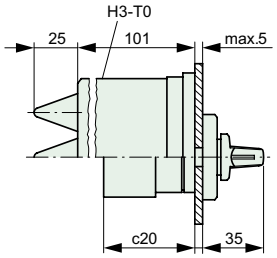




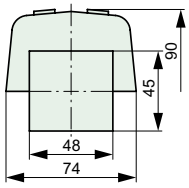
Cover mounting

T0.../E (+ H3-T0)
T3.../E (+ H3-T0)

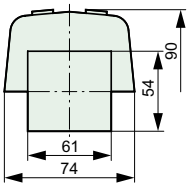




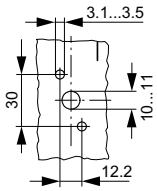
T0.../E + H3-T0



T3.../E + H3-T0

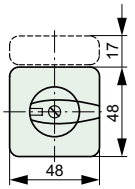


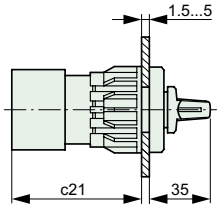
Drilling dimensions



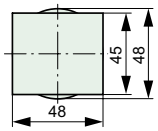
Center mounting

T0.../EZ (/OFS)
T3.../EZ (/OFS)

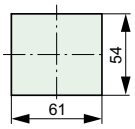




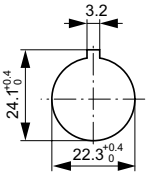
T0



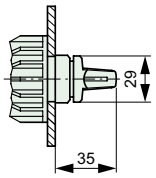
T3



Drilling dimensions



T.../EZ/OFS



Type	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

Type	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

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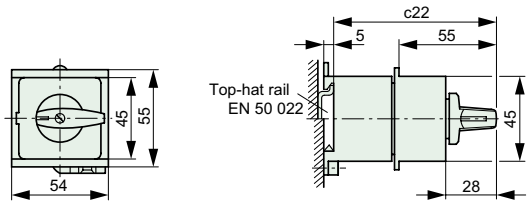
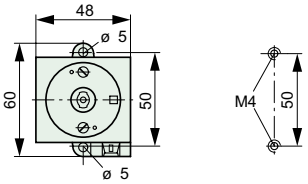
Base mounting with cover

T0.../IVS

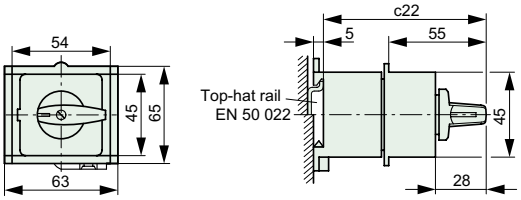


Drilling dimensions Base

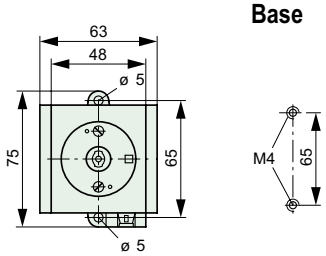


Base mounting with cover

T3.../XZ + IVS-T0

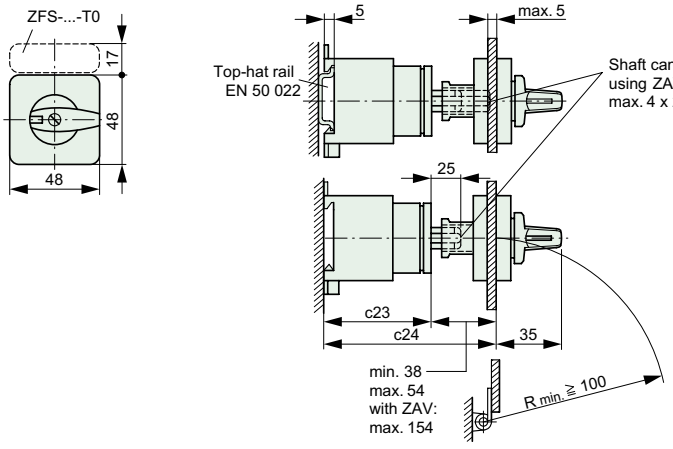


Drilling dimensions Base



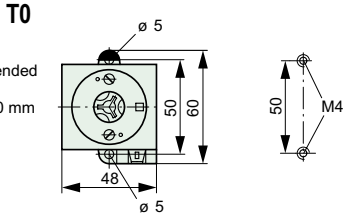
Base mounting

T0.../Z
T3.../Z

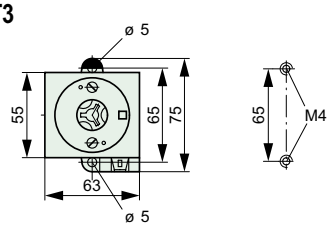


Drilling dimensions Base

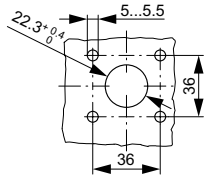
T0

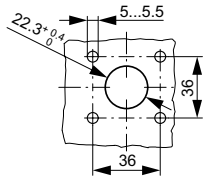


T3



Drilling dimensions Door



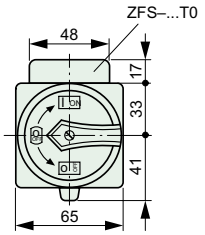


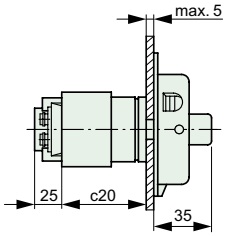
Type	c20	c21	c22	c23	c24 Min./Max.	c24 with up to 4 ZAV	c25
T0-1...	41	61	77	48	86 – 102	202	72
T0-2...	50	70	87	57	96 – 112	212	72
T0-3...	60	80	96	67	105 – 121	221	91
T0-4...	69	89	106	76	115 – 131	231	91
T0-5...	79	99	115	86	124 – 140	240	—
T0-6...	88	108	125	95	134 – 150	250	—
T0-7...	98	118	134	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	—

Type	c20	c21	c22	c23	c24 Min./Max.	c24 with up to 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	—

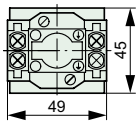
Cover mounting motor disconnect switches

T0.../EA/SVB
T3.../EA/SVB

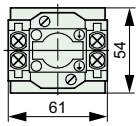




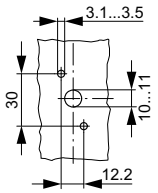
T0



T3

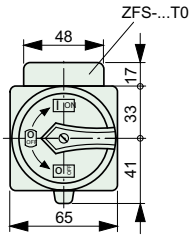


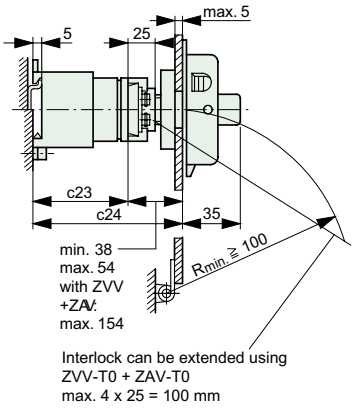
Drilling dimensions Door



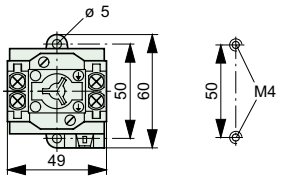
Base mounting motor disconnect switches

T0.../V/SVB
T3.../V/SVB

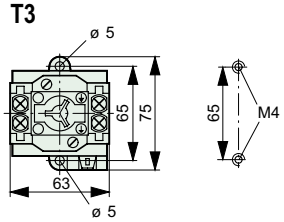




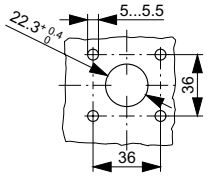
T0



T3



Drilling dimensions Door



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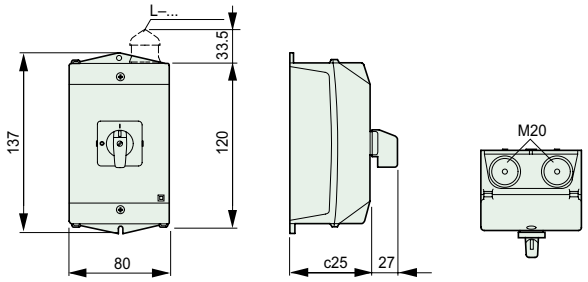
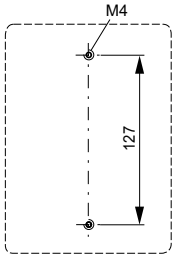
Surface mounting

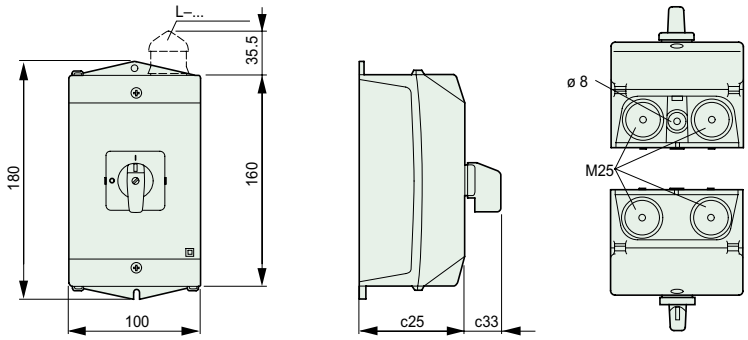
T0.../I1



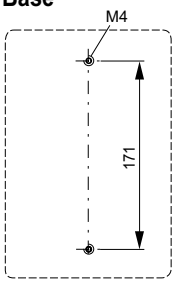
Drilling dimensions Base



T3.../I1

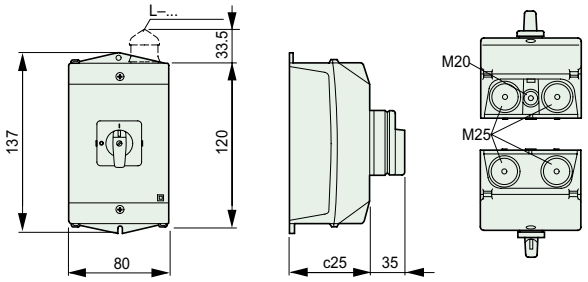


Drilling dimensions Base

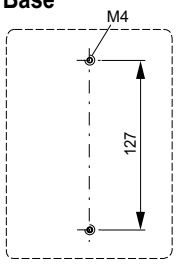


Surface mounting main switches

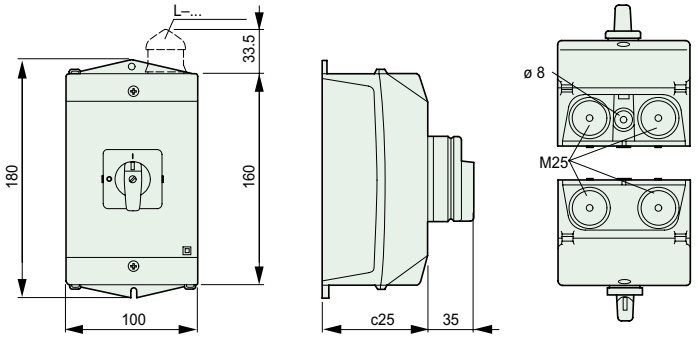
T0.../I1/SVB



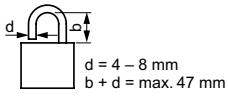
Drilling dimensions Base



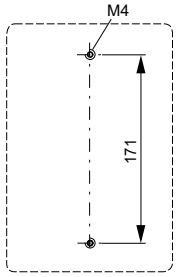
T3.../I2/SVB



Up to 3 padlocks can be fitted



Drilling dimensions Base

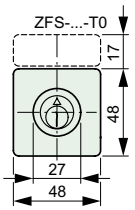


Type	c25
T0-1...	75
T0-2...	75
T0-3...	95
T0-4...	95

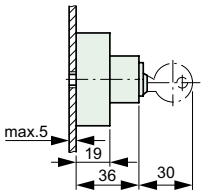
Type	c25	c33
T3-1...	80	27
T3-2...	80	27
T3-3...	145	35
T3-4...	145	35
T3-5...	145	35

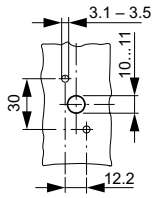
Key operation

S-T0
S-SOND...-T0

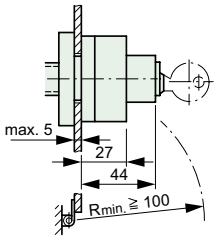


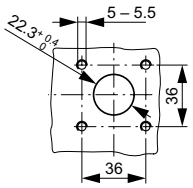
T0.../E(I1) + S-(SOND-)T0
T3.../E(I2) + S-(SOND-)T0



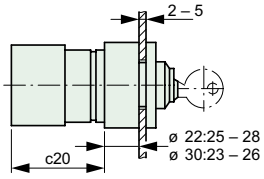


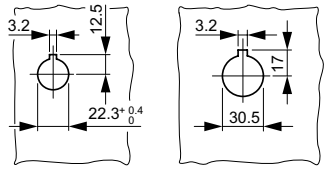
T0.../Z + S-(SOND-)T0
T3.../Z + S-(SOND-)T0





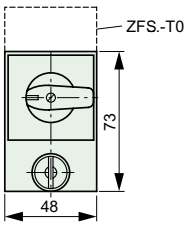
T0.../EZ ≙ T0.../E + EZ-T0 + S-(SOND-)T0
T3.../EZ ≙ T3.../E + EZ-T0 + S-(SOND-)T0



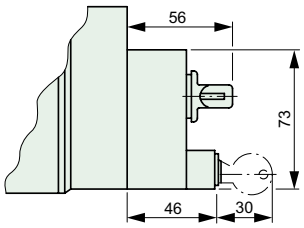


Cylinder lock

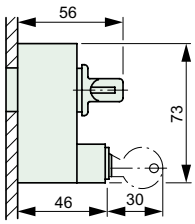
SVA-T3



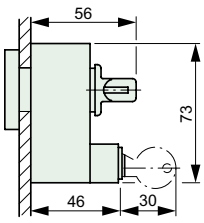
T0.../I1/SVA
T3.../I2/SVA



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



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



Padlocking feature

Dimensions the same as for DTV-T3

SVC-T3

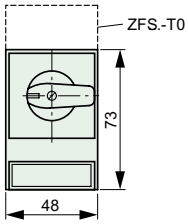
T0.../I1/SVC
T3.../I2/SVC

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

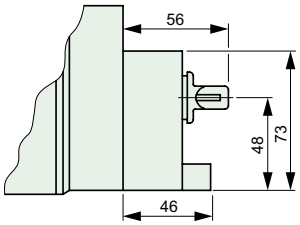
T0.../Z/SVC
T3.../Z/SVC

Push-Release interlock

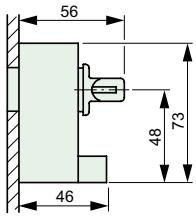
DTV-T3



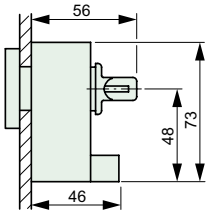
T0.../I1/DTV
T3.../I2/DTV



T0.../E/DTV
T3.../E/DTV

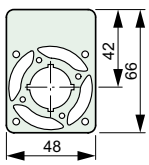


T0.../Z/DTV
T3.../Z/DTV

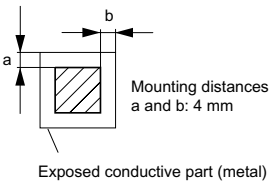


Legend plate

ZS...-T0



Mounting clearance



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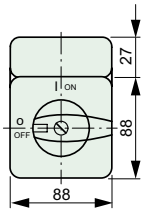
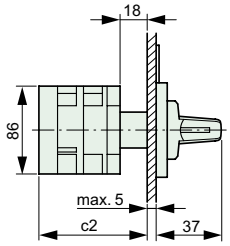
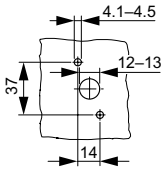
Cover mounting

T5B.../E



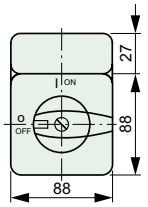


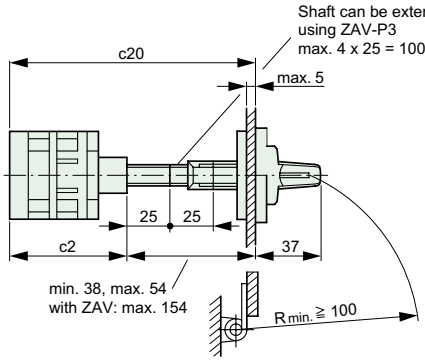
Drilling dimensions Door



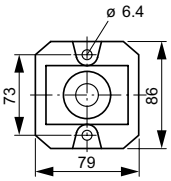
Base mounting

T5B.../Z

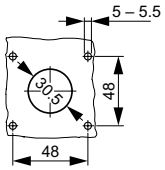




Drilling dimensions Base

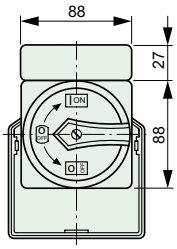


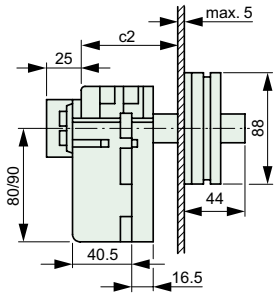
Drilling dimensions Door

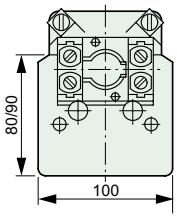


Cover mounting switches

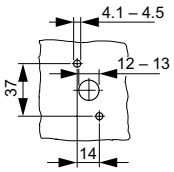
T5B.../EA/SVB





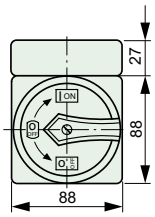


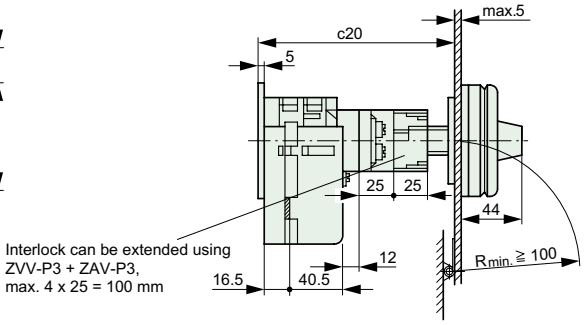
Drilling dimensions Door



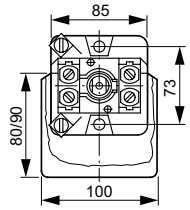
Base mounting switches

T5B.../V/SVB

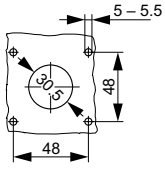




Drilling dimensions Base

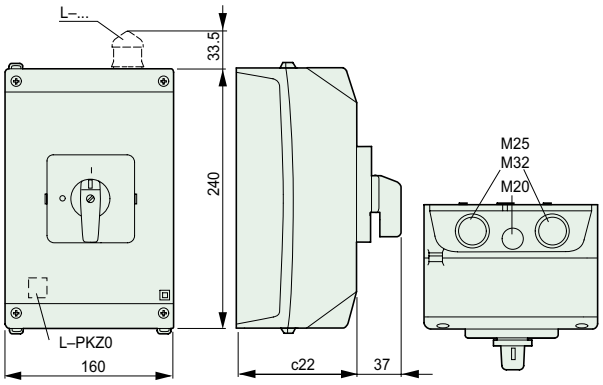


Drilling dimensions Door

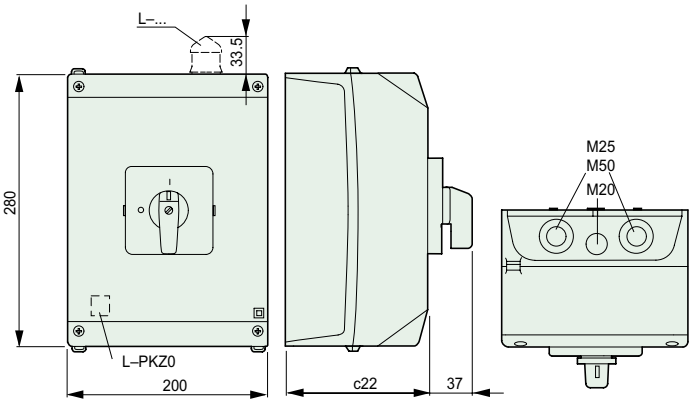


Surface mounting

T5B.../I4

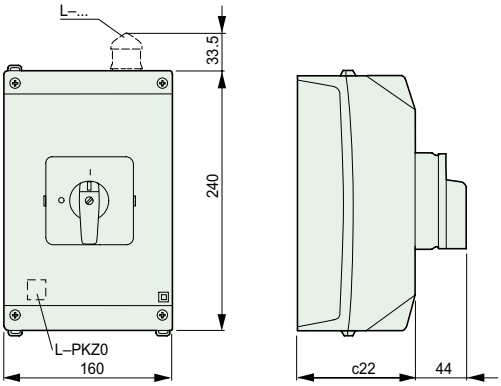


T5B.../I5

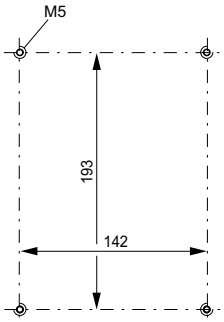


Surface mounting main switches

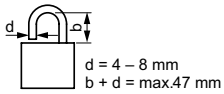
T5B.../I4/SVB



Drilling dimensions



Up to 3 padlocks can be fitted



Type	c2	c20 Min./Max.	c20 with up to 4 ZAV	c21	c22
T5B-1...	54	92 – 107	207	90	95
T5B-2...	71	109 – 124	224	90	95
T5B-3...	87	125 – 140	240	123	160
T5B-4...	104	142 – 157	257	123	160
T5B-5...	120	158 – 173	273	—	—
T5B-6...	137	175 – 190	290	—	—
T5B-7...	153	191 – 206	306	—	—
T5B-8...	170	208 – 223	323	—	—
T5B-9...	186	224 – 239	339	—	—
T5B-10...	203	240 – 356	356	—	—

Depth of one contact unit: 16.5 mm

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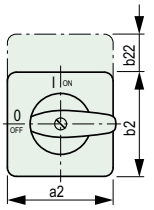
Motor disconnect switches

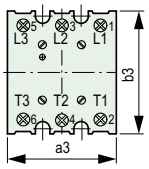
Cover mounting

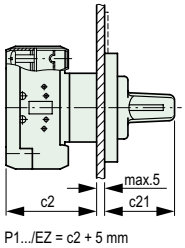
P.../E



Center Mounting

P1.../EZ

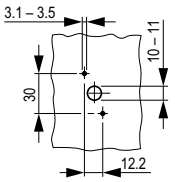




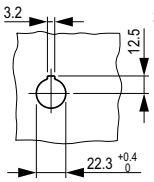
P1.../EZ = c2 + 5 mm

Bohrmafle
T, r

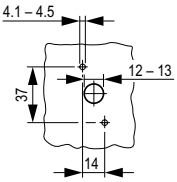
P1-.../E



P1-.../EZ

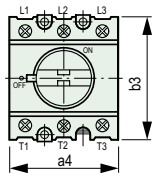


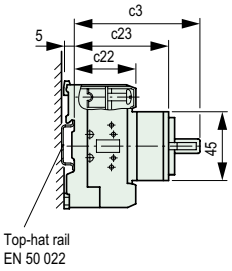
P3-.../E

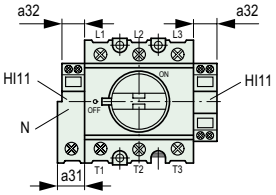


Base mounting with cover

P.../IVS (-...)





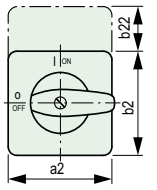


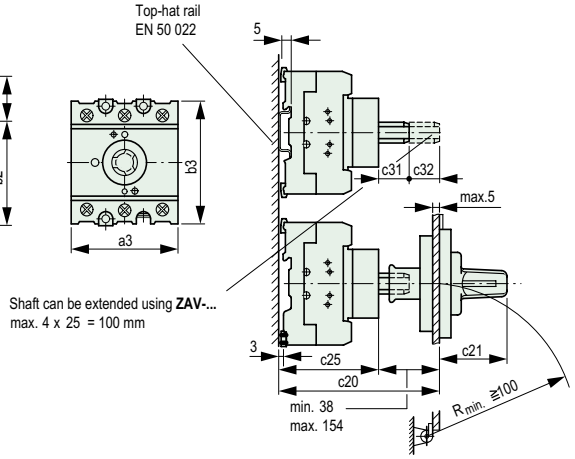
Up to 3 padlocks can be fitted

d = 4 – 8 mm
b + d = max. 47 mm

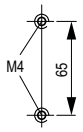
Base mounting

P.../Z

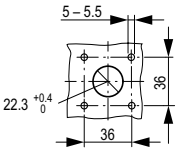




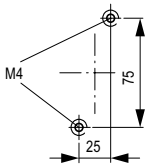
Drilling dimensions Base P1.../Z

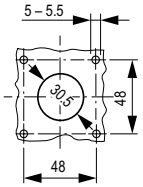


Drilling dimensions Door



P3.../Z



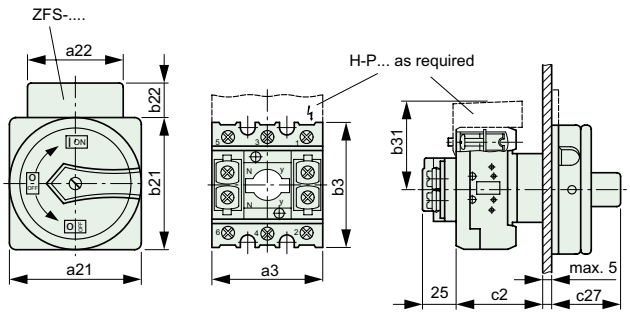


Type	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P1	48	49	53.5	65	48	87	15	15	83	48	70	65	17	125	32	49
P3	87	72	71.5	87	87	125	18	15	114	87	83	87	27	175	—	60

Type	c2	c3	c20 min./max.	c20 with up to 4 **ZAV/ZVV**	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1	59	86	96 – 112	212	35	32	65	68	58	35	77	25	25	27
P3	59	82	103 – 118	218	37	41	63	81	65	44	90	25	25	29

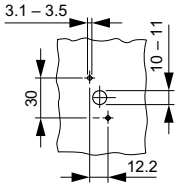
Cover mounting motor disconnect switches

P.../EA/SVB

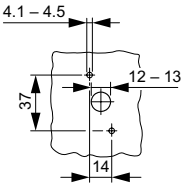


Drilling dimensions Door

P1...

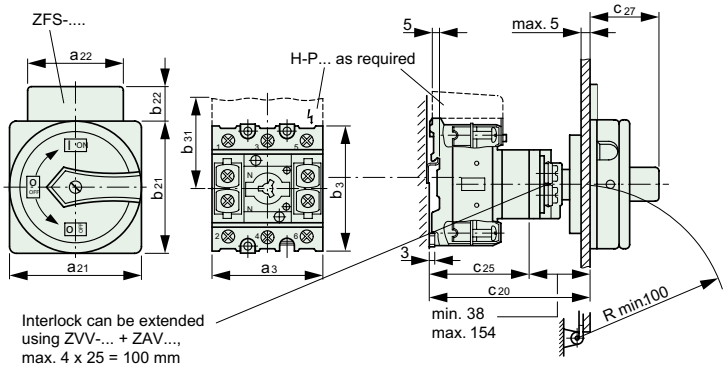


P3...



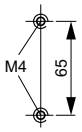
Base mounting motor switches

P.../V/SVB

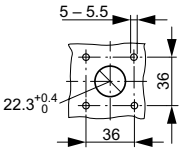


Drilling dimensions Base

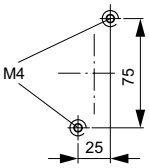
P1.../V/SVB

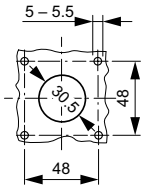


Drilling dimensions Door



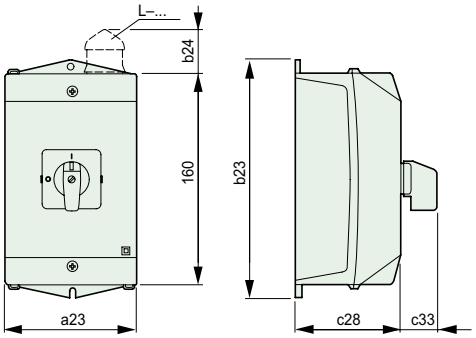
P3.../V/SVB



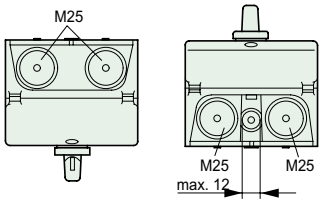


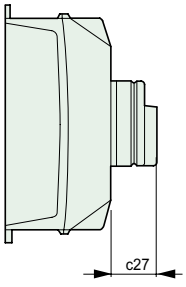
Surface mounting

P1.../I2

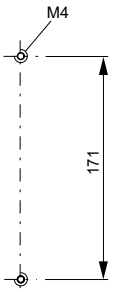


P1.../I2/SVB
P1.../I2/SI





Drilling dimensions



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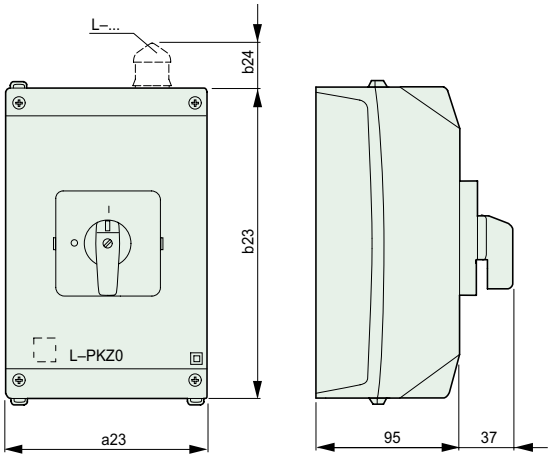
Surface mounting

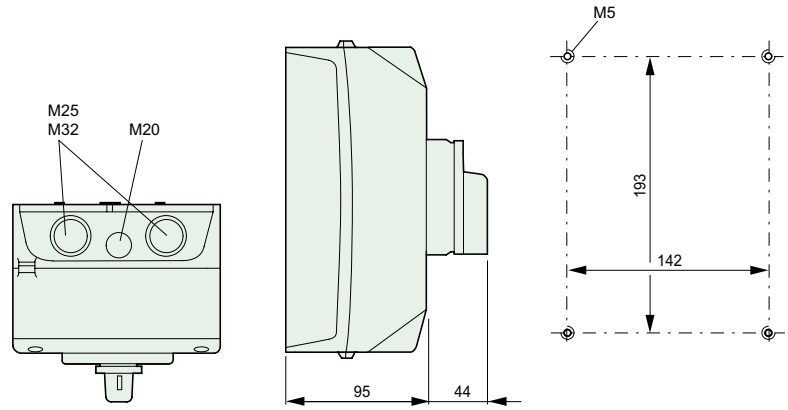
P3-63/I4



Surface mounting motor disconnect switches

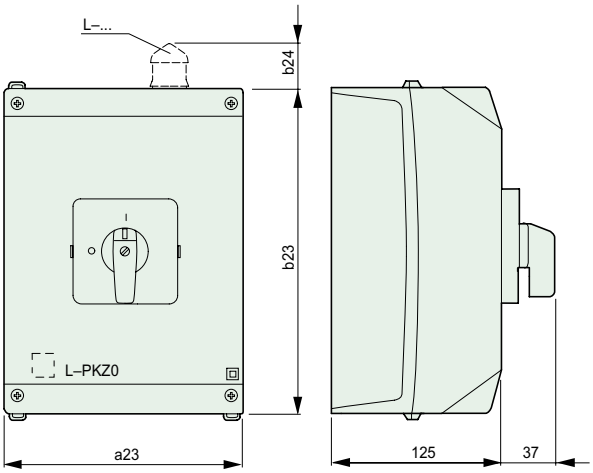
P3-63/I4/SVB
P3-63/I4/SI
T5B-.../I4/SI

Drilling dimensions



Surface mounting

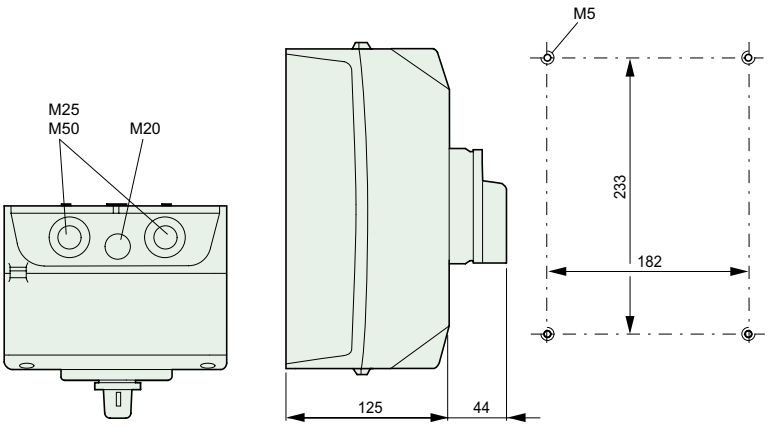
P3-100/I5



Surface mounting motor disconnect switches

P3-100/I5/SVB
P3-100/I5/SI

Drilling dimensions

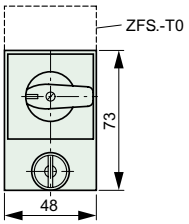


Type	a2	a3	a4	a21	a22	a23	a31	a32	a33	b2	b3	b21	b22	b23	b24	b31
P1.../I2	48	49	53.5	65	48	100	15	15	83	48	70	65	17	180	35.5	49
P3-63/I4	87	72	71.5	87	87	160	18	15	114	87	83	87	27	240	35.5	60
P3-100/I5	87	72	71.5	87	87	200	18	15	114	87	83	87	27	280	35.5	60

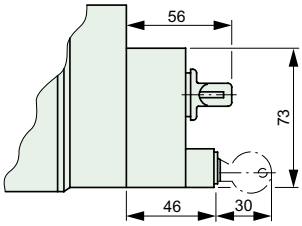
Type	c2	c3	c20 min./max.	c20 with up to 4 **ZAV/ZVV**	c21	c22	c23	c24	c25	c27	c28	c31	c32	c33
P1.../I2	59	86	96 – 112	212	35	32	65	68	58	35	80	25	25	27
P3-63/I5	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37
P3-100-I5	59	82	103 – 118	218	37	41	63	81	65	44	125	25	25	37

Cylinder lock

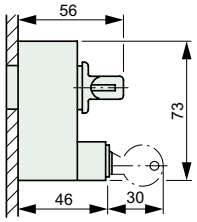
SVA-T3



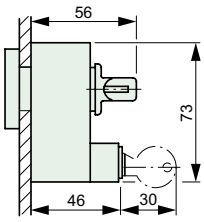
P1.../I2/SVA



P1.../E/SVA

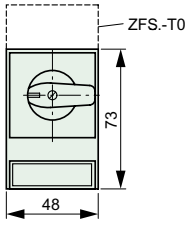


P1.../Z/SVA

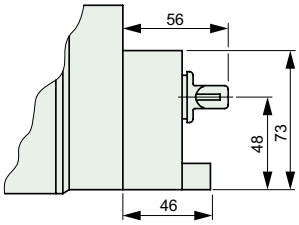


Padlocking feature

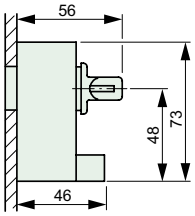
SVC-T3



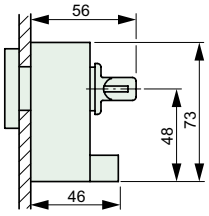
P1.../I2/SVC



P1.../E/SVC

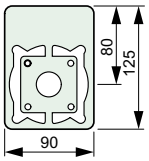


P1.../Z/SVC



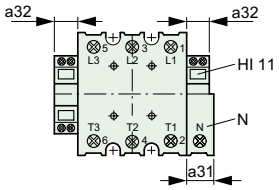
Legend plate

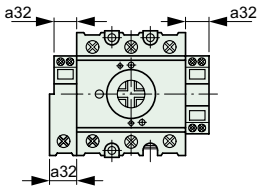
ZS...P3

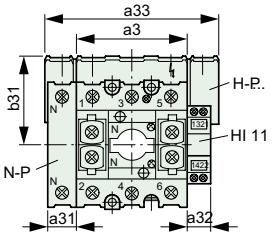


Auxiliary Contact Modules

Auxiliary contacts **HI11-P1/P3**







Up to 3 padlocks can be fitted

d = 4 – 8 mm
b + d = max. 47 mm

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Notes

CI-K... insulated enclosures (see page **6**/64) are specifically designed for the installation of Type T switches. They will accommodate **T0** and **T5B** switches with up to 4 contact chambers (8 contacts), and **T3** switches with up to 5 contact chambers (10 contacts). Type **CI-K...** enclosures have up to 5 cable entry locations. Should a larger enclosure be necessary, we recommend our System **CI** insulated enclosures (see Section 10).

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

1) Select required switch and determine 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 number and size of the cable entries must be taken into account.

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

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
Quantity
Switch type

T...-1-.../Z (V/SVB)
T...-2-.../Z (V/SVB)
T...-3-.../Z (V/SVB)
T...-4-.../Z (V/SVB)
T...-5-.../Z (V/SVB)
T...-6-.../Z (V/SVB)
T...-7-.../Z (V/SVB)
T...-8-.../Z (V/SVB)
T...-9-.../Z (V/SVB)
T...-10-.../Z (V/SVB)
T...-11-.../Z (V/SVB)

T0-...
Mounting depths

Without/		With **ZAV-T0**			
	+1	+2	+3	+4	
from	to	to	to	to	to
86	102	127	152	177	202
96	112	137	162	187	212
105	121	146	171	196	221
115	131	156	181	206	231
124	140	165	190	215	240
134	150	175	200	225	250
143	159	184	209	234	259
153	169	194	219	244	269
162	178	203	228	253	278
172	188	213	238	263	288
181	197	222	247	272	279

T3-...
Mounting depths

Without/		With **ZAV-T0**			
	+1	+2	+3	+4	
from	to	to	to	to	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**			
	+1	+2	+3	+4	
from	to	to	to	to	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

Key to type references

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

Switch size

	Number of contact chambers (2 contacts per chamber) Max. chambers	Max. contacts
T0	11	22
T3	11	22
T5B	10	20

Contact sequence number
With manufacturing country identifier.
For initial order specify **SOND-FO2** and enclose completed form (see next page). Contact sequence number is issued by factory
For subsequent orders, type suffix is sufficient.

Mounting form
- Mounting form **/E**
- Center mounting **/EZ** (for **T0**, **T3**)
- Surface mounting **/I...**[1)]
- Base mounting with cover **/IVS** for (**T0**)
- Base mounting **/Z**
- Cover mounting motor disconnect switch **/EA/SVB**[2)]
- Base mounting motor disconnect switch **/V/SVB**[2)]

Accessories
See page **6**/52 – 65
State in full with every order.

Design notes for non-standard contact sequences

Contact sequence
The form FO 2 makes it easy to determine the contact sequence. Form FO 2 can be faxed. Master copy on page **6**/85

Switching angles
30, 45, 60, 90˚
Preferred angle: 60˚
For On-Off switches: 90˚
For main switches: 90˚ as FS 908 Page **6**/50

Interruption of contact between two switch positions (On-Off-On) not permissible on **T0**; or **T3** at switching angles of 30˚, 45˚, or **T5B** at switching angle of 30˚.

Spring return
Switching movement is limited by a stop. The switch returns under spring pressure to the last indexed position. Where a switch has spring return from both directions, a maximum of three positions can be traversed.
The return angle is < $^1/_2$ switching angle. A maximum of 6 contacts can be returned at the same time.

Fleeting contacts
Duration of contact depends primarily on the speed of actuation. If a contactor is to be actuated by means of fleeting contact, the switching angle must not be less than 60˚, or the switching pulse may be too short.
Fleeting contacts always act in both directions.

Complete rotation
Possible only with a switching angle of 360˚. Unrestricted rotation in either direction. The number of switch positions multiplied by the switching angle must equal 360˚.

Number of contact units
$\frac{\text{\# of contacts}}{2}$ = Round up to nearest whole

Each contact chamber = contact unit ha 1 or 2 contacts, each operated by a cam.
On **T5B** switches one cam operates both contacts, consequently:
Where the total switching angle is less than 180˚ each contact can be operated independently. At switching angles of 180˚ or above, two contacts per chamber are possible only if their switching sequences are the same, but offset by 180˚ (e.g. **T5B-4-8235** step switch).

Standard features
As for Type T switches with standard contact sequences, see Page **6**/2

Technical data, see Page **6**/67 - 70

Dimensions, see Page **6**/72 - 81

Note: The sequence of the contacts may be changed if technical reasons so dictate. For non-standard switches, it is preferable to arrange the links so that the terminals which have a difference of four are linked with one another, e.g. terminals 1-5-9, 2-6-10, 3-7-11, or 4-8-12. Such links can be removed (also applies for standard switches), whereas links 1-3, 2-4, 5-7, 6-8 cannot be removed because they are situated within the switch. Links between an even number and an odd number (e.g. 2-3) must be supplied by the user.

1) **T0-.../I1**: up to 4 contact chambers
T3-.../I2: up to 5 contact chambers

2) **T0**: up to 8 contacts = 4 contact chambers
T3: up to 12 contacts = 6 contact chambers

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Erstbestellung für beliebige Nockenschalter T Kombinationen
First ordering data for Rotary switch T combinations
Première commande de combinaisons de Commutateur T à cames

Auftrags-Nr.: Ordering number: Nº de commande :	Position: Position: Poste :	Büro: Office: Bureau :	Bearbeiter: Referee: Employé:
Kunde: Customer: Client		Kundenspez.-Nr.: Customize number: Nº client:	Datum: Date: Date:

Hinweis:
Note:
Note :

Die Anzahl der möglichen Kontakte sowie die Kombinationsmöglichkeiten mit den Bauformen entnehmen Sie bitte dem Hauptkatalog.

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

Reportez-vous au Catalogue Général pour connaître le nombre maximal de contacts et les possibilités de combinaison selon les modèles.

Stückzahl:
Quantity:
Quantité:

DM/Stück:
DM/piece:
Prix unitaire :

Schaltwinkel:
Switching angle:
Angle de rotation:

- ☐ 30
- ☒ 45
- ☐ 60
- ☐ 90

Typ:
Type:
Référence :

- ☒ T0
- ☐ T3
- ☐ T5B

Anzahl Kontakte:
No. of contacts:
Nombre de contacts :

- ☐ 1 ☐ 12
- ☐ 2 ☐ 13
- ☐ 3 ☐ 14
- ☐ 4 ☐ 15
- ☐ 5 ☐ 16
- ☐ 6 ☐ 17
- ☐ 7 ☐ 18
- ☐ 8 ☐ 19
- ☒ 9 ☐ 20
- ☐ 10 ☐ 21
- ☐ 11 ☐ 22

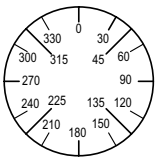
Bauform:
Mounting form:
Modèle:

- ☐ E
- ☐ EA/SVB ☐ EA/SVB-SW
- ☐ EZ ☐ EZ/OFS
- ☐ I...
- ☐ I.../SVB ☐ I.../SVB-SW
- ☐ IVS
- ☒ V/SVB ☐ V/SVB-SW
- ☐ X ☐ XZ
- ☐ Z
- ☐ +_____
- ☐ +_____

Frontschild Nr.
Front Plate No.
Plastron Nº
FS_____

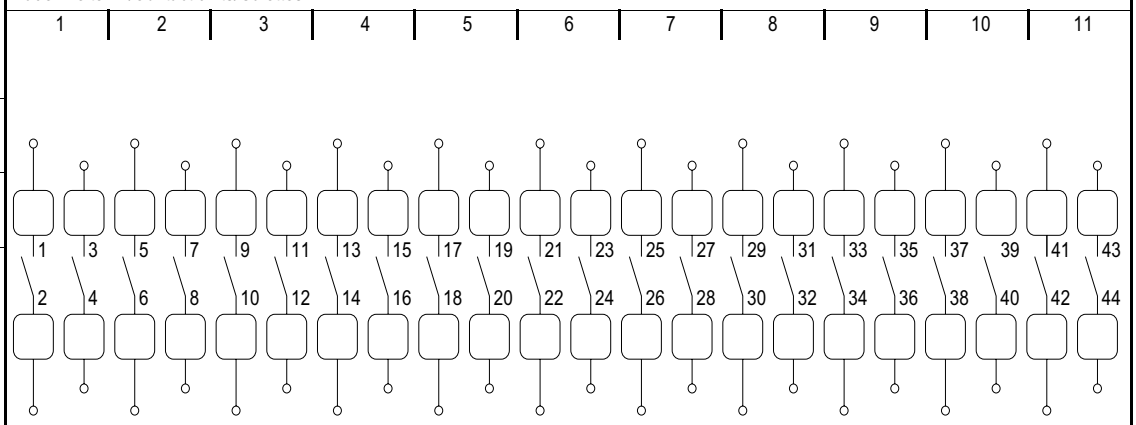
Rundschaltung
○ Complete rotation
Rotation totale

autom. Rückzug
○ Spring return
Retour autom.



Beschriftung
Marking/Repérage

Baueinheiten /Contact units/Galettes



Grad / Degree/Degés		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	X	X	X	X	X	X		X															
300																							
315	X		X	X					X														
330																							
0	X				X	X																	
30										X													
45																							
60																							
90																							
120																							
135																							
150																							
180																							
210																							
225																							
240																							

Contact closed only in Position 1 | Switching with interruption | Switching without interruption

Schlüssel abziehbar X
Key removable
Retrait de la clé

Typ für Nachbestellungen (vom Werk auszufüllen)
Type for re-orders (to be filled in by Factory)
Référence pour commandes ultérieures (à compléter par l´usine)

T_____

Cam Switches, Manual Motor Controllers and Disconnects
Ordering Form of Non-Standard Contact Sequences

MOELLER

Erstbestellung für beliebige Nockenschalter T Kombinationen
First ordering data for Rotary switch T combinations
Première commande de combinaisons de Commutateur T à cames

Auftrags-Nr.: Ordering number: N° de commande :	Position: Position: Poste :	Büro: Office: Bureau :	Bearbeiter: Referee: Employé:
Kunde: Customer: Client		Kundenspez.-Nr.: Customize number: N° client:	Datum: Date: Date:

Hinweis:
Note:
Note :

Die Anzahl der möglichen Kontakte sowie die Kombinationsmöglichkeiten mit den Bauformen entnehmen Sie bitte dem Hauptkatalog.

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

Reportez-vous au Catalogue Général pour connaître le nombre maximal de contacts et les possibilités de combinaison selon les modèles.

Stückzahl:
Quantity:
Quantité:

DM/Stück:
DM/piece:
Prix unitaire :

Schaltwinkel:
Switching angle:
Angle de rotation:

- ☐ 30
- ☐ 45
- ☐ 60
- ☐ 90

Typ:
Type:
Référence :

- ☐ T0
- ☐ T3
- ☐ T5B

Anzahl Kontakte:
No. of contacts:
Nombre de contacts :

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

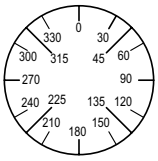
Bauform:
Mounting form:
Modèle:

☐ E	
☐ EA/SVB	☐ EA/SVB-SW
☐ EZ	☐ EZ/OFS
☐ I...	
☐ I.../SVB	☐ I.../SVB-SW
☐ IVS	
☐ V/SVB	☐ V/SVB-SW
☐ X	☐ XZ
☐ Z	
☐ +_____	
☐ +_____	

Frontschild Nr.
Front Plate No.
Plastron N°
FS_____

Rundschaltung
○ Complete rotation
Rotation totale

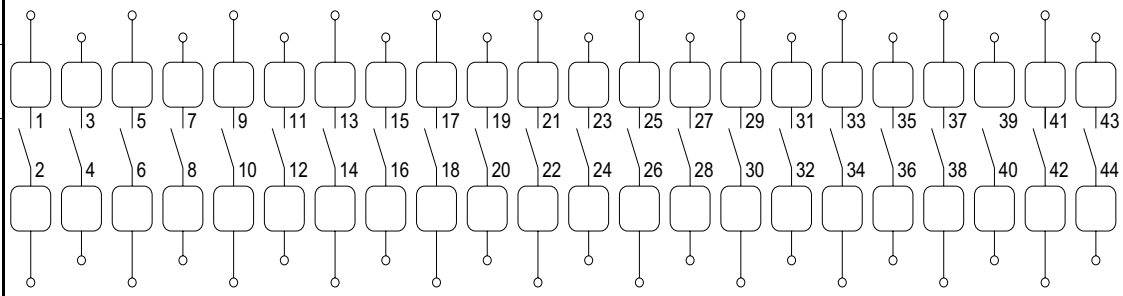
autom. Rückzug
○ Spring return
Retour autom.



Beschriftung
Marking/Repérage

Baueinheiten /Contact units/Galettes

1	2	3	4	5	6	7	8	9	10	11



Grad Degree/Degés	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																						

Schlüssel abziehbar X
Key removable
Retrait de la clé

Typ für Nachbestellungen (vom Werk auszufüllen)
Type for re-orders (to be filled in by Factory)
Référence pour commandes ultérieures (à compléter par l´usine)

T_____

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