

# rotary switches

reliable switching to 100A



M

Rotary Switches



Moeller series rotary switches are an economic choice for the simple logic functions and manual switching required in many industrial applications. From simple ON-OFF disconnects, to reversing wye-delta motor control, Moeller series rotary switches offer an array of standard and custom switches to precisely match your functional requirements.

## Switching to your application

Moeller series rotary switches contain two switch lines, each with two frame sizes, that can handle loads to 100A or 75HP @ 575V. As with other world class Moeller series products, you can expect the highest level of reliability from these devices.

The "T" rotary switch line is highly versatile, allowing for many configuration options such as step load switching, control switching and specialty selectors.

The "P" motor disconnect line has a robust amp and horsepower capacity, with optional built-in auxiliary contacts in our standard selection.

Red handles and yellow faceplate options are available, allowing for approved emergency-stop switches in all product lines and frame sizes.

## Versatile switching, versatile mounting

All switches are available in multiple mounting types including traditional flush and base mounting. Many switches are also available with center hole mounting as well as pre-mounted in an NEMA 3R (IP65) enclosure. Multiple mounting options provide application flexibility so you can build the switch to fit your machine instead of the other way around.

> Single phase and three phase switches

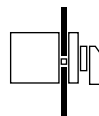
> Up to 100A / 75HP (@ 575V)

> Custom switches available with quick turnaround

> Keyed and non-keyed switches

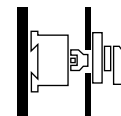


### Flush Mounting



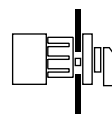
Suitable for panel or machine mounting

### Base Mounting



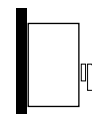
Designed for through-the-door mounting of enclosed systems

### Center Hole Mounting



Switch is mounted in panel or machine with standard 22.5 mm hole (same as pilot devices)

### Enclosed



Switch is self-enclosed in insulated plastic enclosure. Rated to NEMA 1, 12 & 3R and IP65.



## Offering the right stuff

Various handle types, shrouds, shaft extensions, neutral terminals and keyed operator accessories are available to round out the line, making it easy to use the right stuff for your application.



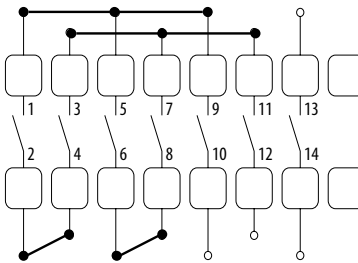
## Approved for export or domestic use

Along with UL / CSA approvals, rotary switches are also approved for export with IEC and VDE. In addition, all enclosed rotary switches can be ordered with ATEX approvals (for explosive atmospheres). See page M40 for ATEX information.





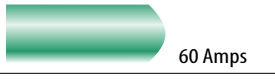




## Designed by the right person – YOU!

The nature of rotary switches allows for many different configurable combinations. We maintain a custom rotary switch facility in North America where contact design and behavior can be configured to your exact specifications within a week. Custom faceplates are engraved on location with a quick turnaround. Even master key systems are available. Sales representatives are always ready to assist in designing the switch you need... fast!



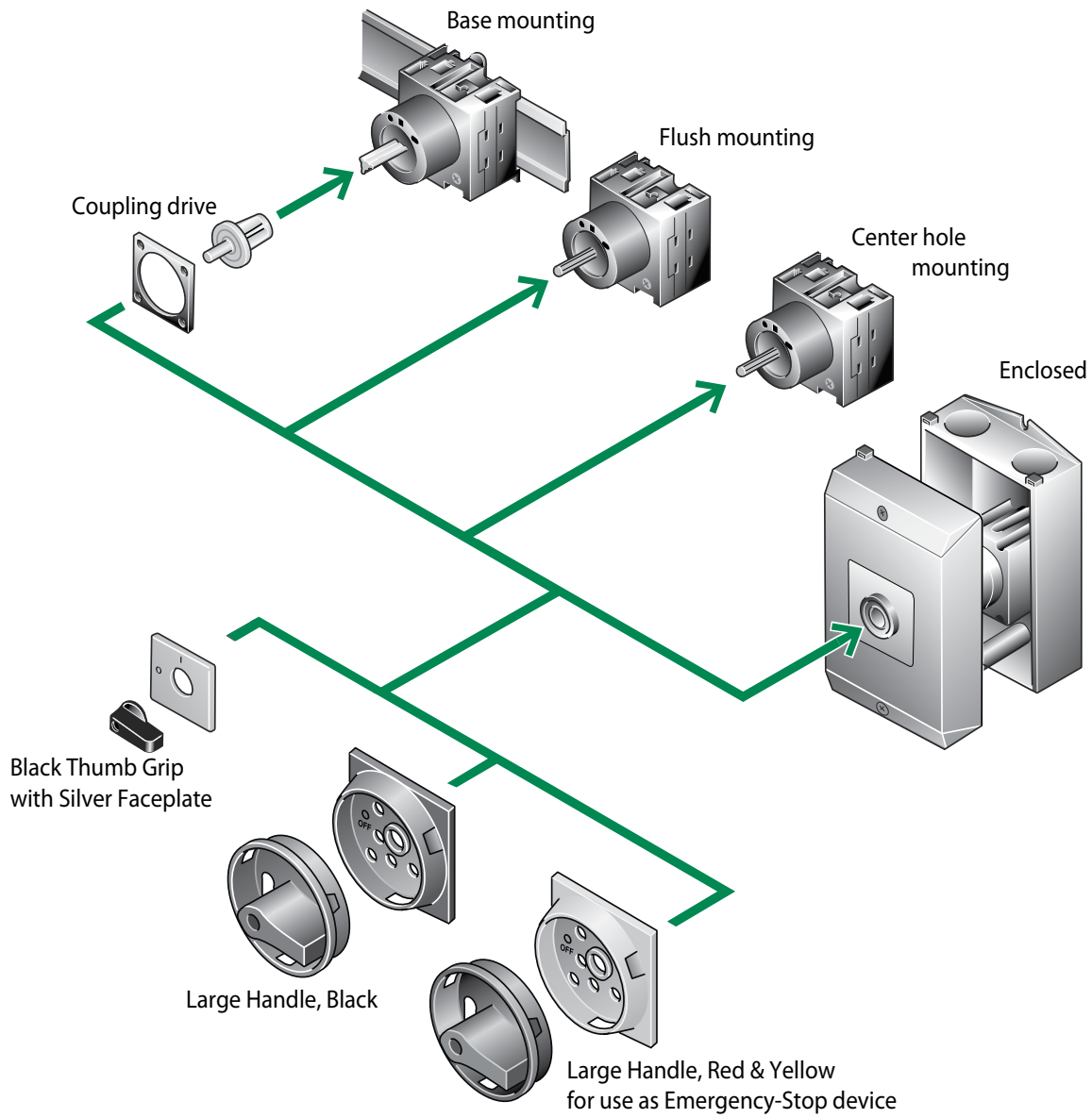
Custom rotary switch options include engraved faceplates, master key systems, and contact behavior configurations (illustrated left).

## Feature Comparison



Rotary Switch Series		Amperes	Flush Mounting	Base Mounting	Center Hole Mounting	Enclosed	Customizable	Maximum Chambers	Max Chambers when enclosed	Single Phase (page XX)	Three Phase (page XX)	Control Switches (page XX)	Specialty Switches (page XX)
<b>P Series Rotary Disconnect Switches</b>													
<b>P</b>	Small Frame Size	P1-25...  20 Amps	✓	✓	✓	✓				✓	✓		
		P1-32...  30 Amps	✓	✓	✓	✓				✓	✓		
	Large Frame Size	P3-63...  60 Amps	✓	✓		✓				✓	✓		
		P3-100...  100 Amps	✓	✓		✓				✓	✓		
<b>T Series Rotary Cam Switches</b>													
<b>T</b>	Small Frame Size	T0...  16 Amps	✓	✓	✓	✓	✓	11	4	✓	✓	✓	✓
		T3...  25 Amps	✓	✓	✓	✓	✓	11	5	✓	✓	✓	✓
	Large Frame Size	T5B...  65 Amps	✓	✓		✓	✓	10	4	✓	✓	✓	✓



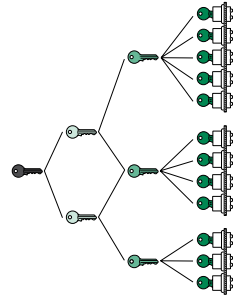
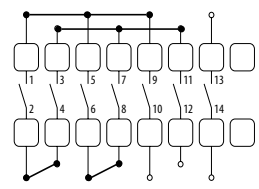
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Rotary Switches



**Rotary Switches Overview**

Device	Description	Range	Pages
<b>Rotary Switches</b>			
	<b>Single Phase Switches</b> Motor Disconnect On-Off Emergency-Stop Changeover Reversing	Up to 15 HP @230V; Up to 100 Amps	M10 – M15
	<b>Three Phase Switches</b> Motor Disconnect On-Off Emergency-Stop Changeover Reversing Star-Delta Multi-Speed	Up to 75 HP @575V; Up to 100 Amps	M16 – M25
	<b>Control Switches</b> Step (2 – 6 steps) On-Off Hand-Auto On (make contact) Changeover Series		M26 – M32
	<b>Specialty Switches</b> Multi-purpose Coding Voltmeter Ammeter Voltmeter & Ammeter		M33 – M35
<b>Accessories</b>			
	Handles Keyed Operators Terminals Extensions Shrouds		M36 – M39

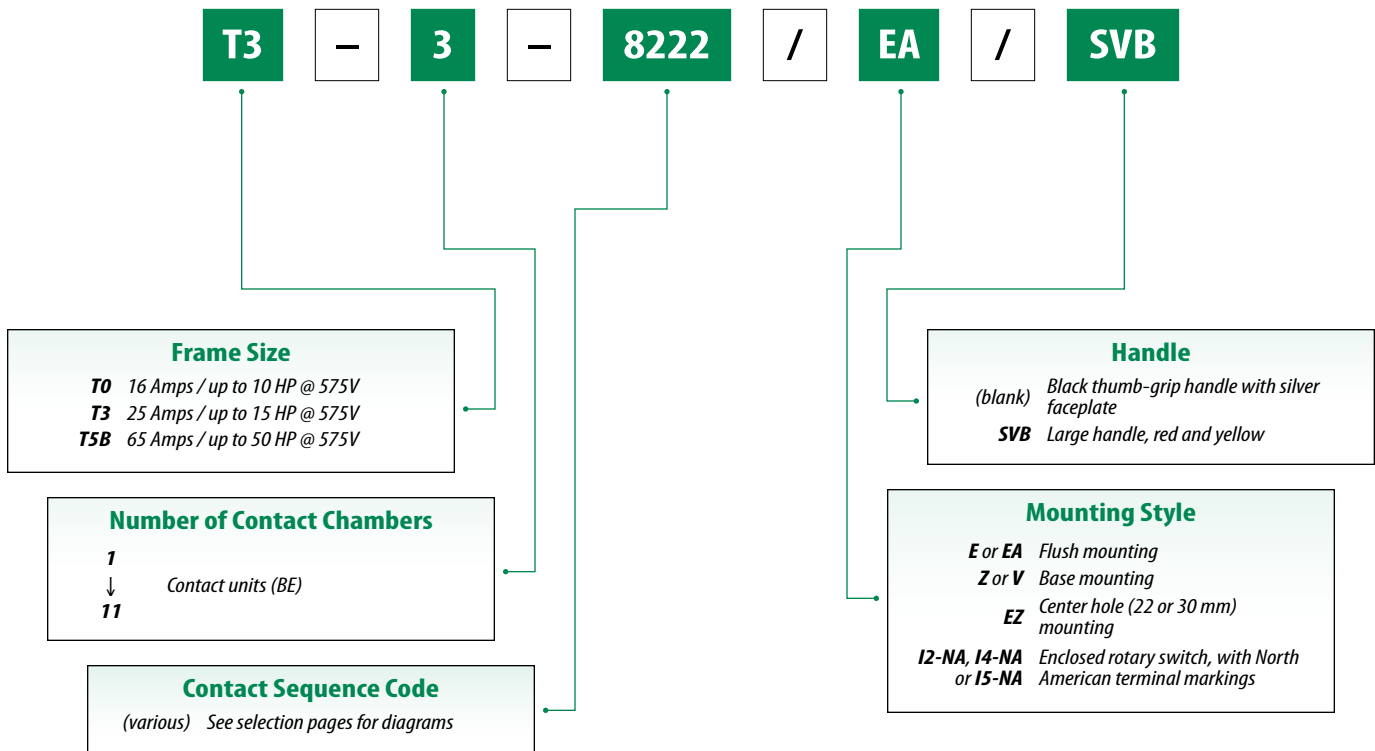
Device	Description	Pages
<b>Enclosures</b>		
	Enclosures	M40
<b>Faceplates</b>		
	Alternate faceplates Blank faceplates Custom engraved faceplates	M41 – M52
<b>Master Key System</b>		
	Master key system for keyed operators	M53 – M58
<b>Custom Switches</b>		
	Custom rotary switches	M59 – M65

**M**  
Rotary Switches

The Moeller series catalog numbering system for rotary switches and other devices follows a logical system. Device attributes can be determined by the following nomenclature.

Dashes (–) and slashes (/) are used to separate device attributes and should always be included when ordering.

Rotary Switches



This page for reference only.  
 Please turn to the appropriate pages to determine  
 the exact device and/or accessories required for your application.

Single Phase Switches ①

No. of Poles	Standard Faceplate (for other options, note faceplate code and frame size of desired switch and turn to page M41.)	Contact Sequence	Rated for Applications	Built-in Auxiliary Contacts		Single Phase Max. Motor Rating [HP]			Current Rating UL/CSA	Handle				
				NO	NC	@115V	@200V	@230V						
<b>ON-OFF Switches</b>														
1			Motor Disconnect Switch On-Off Switch Emergency-Stop ②	0	0	¾	2	2	16	Black / Silver Padlockable - Red / Yellow				
						1½	3	3	25	Black / Silver Padlockable - Red / Yellow				
						3	7½	10	65	Black / Silver Padlockable - Red / Yellow				
2	Black / Silver handles:  FS 908		Motor Disconnect Switch On-Off Switch Emergency-Stop ②	0	0	¾	2	2	16	Black / Silver Padlockable - Red / Yellow				
						1½	3	3	25	Black / Silver Padlockable - Red / Yellow				
						3	7½	10	65	Black / Silver Padlockable - Red / Yellow				
3	Padlockable handles are not supplied with faceplate. Padlockable handles are marked: I ON O OFF		On-Off Switch Emergency-Stop ②	0	0	¾	2	2	16	Black / Silver Padlockable - Red / Yellow				
			These switches can also be used in three phase applications. See page M16 for ratings.											
			Motor Disconnect Switch On-Off Switch Emergency-Stop ②							1½	3	3	20	Black / Silver Padlockable - Red / Yellow
			These switches can also be used in three phase applications. See page M16 for ratings.							2	3	5	30	Black / Silver Padlockable - Red / Yellow
										3	7½	10	60	Black / Silver Padlockable - Red / Yellow
	5	10	15	100	Black / Silver Padlockable - Red / Yellow									

Custom switch configurations available - see page M59 for details.

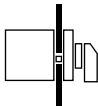
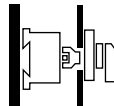
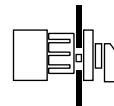
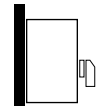

- ① Non-enclosed switches are supplied with European terminal markings (1, 3, 5, etc.). For North American terminal markings (L1, L2, L3, etc.), add suffix -NA to catalog number and add \$25 to price. Enclosed switches have North American terminal markings as standard.
- ② Choose Red / Yellow or Padlockable - Red / Yellow handle for Emergency-stop applications.

Ordering Instructions


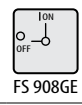




- 1 Locate the desired rotary switch.
- 2 Order accessories separately on pages M36 – M40.

Standard Handle Types

Black / Silver	Padlockable - Red / Yellow
Black handle Silver faceplate NEMA 1	Red/Yellow handle, NEMA 3R Padlockable in OFF position Suitable for emergency-stop applications

Flush Mounting		Base Mounting		Center Hole (22.5 / 30 mm) Mounting		Enclosed NEMA 12, 3R (IP65) Insulated Plastic	
						  See page M40 for ATEX information.	
Catalog Number	Price	Catalog Number	Price	Catalog Number	Price	Catalog Number	Price
<b>ON-OFF Switches</b>							
T0-1-8200/E		T0-1-8200/Z		T0-1-8200/EZ		T0-1-8200/I2-NA	
T0-1-8200/EA/SVB		T0-1-8200/V/SVB		–		T0-1-8200/I2/SVB-NA	
T3-1-8200/E		T3-1-8200/Z		T3-1-8200/EZ		T3-1-8200/I2-NA	
T3-1-8200/EA/SVB		T3-1-8200/V/SVB		–		T3-1-8200/I2/SVB-NA	
T5B-1-8200/E		T5B-1-8200/Z		–		T5B-1-8200/I4-NA	
T5B-1-8200/EA/SVB		T5B-1-8200/V/SVB		–		T5B-1-8200/I4/SVB-NA	
T0-1-102/E		T0-1-102/Z		T0-1-102/EZ		T0-1-102/I2-NA	
T0-1-102/EA/SVB		T0-1-102/V/SVB		–		T0-1-102/I2/SVB-NA	
T3-1-102/E		T3-1-102/Z		T3-1-102/EZ		T3-1-102/I2-NA	
T3-1-102/EA/SVB		T3-1-102/V/SVB		–		T3-1-102/I2/SVB-NA	
T5B-1-102/E		T5B-1-102/Z		–		T5B-1-102/I4-NA	
T5B-1-102/EA/SVB		T5B-1-102/V/SVB		–		T5B-1-102/I4/SVB-NA	
T0-2-1/E		T0-2-1/Z		T0-2-1/EZ		T0-2-1/I2-NA	
T0-2-1/EA/SVB		T0-2-1/V/SVB		–		T0-2-1/I2/SVB-NA	
P1-25/E		P1-25/Z		P1-25/EZ		P1-25/I2-NA	
P1-25/EA/SVB		P1-25/V/SVB		–		P1-25/I2/SVB-NA	
P1-32/E		P1-32/Z		P1-32/EZ		P1-32/I2-NA	
P1-32/EA/SVB		P1-32/V/SVB		–		P1-32/I2/SVB-NA	
P3-63/E		P3-63/Z		–		P3-63/I4-NA	
P3-63/EA/SVB		P3-63/V/SVB		–		P3-63/I4/SVB-NA	
P3-100/E		P3-100/Z		–		P3-100/I5-NA	
P3-100/EA/SVB		P3-100/V/SVB		–		P3-100/I5/SVB-NA	

**Optional Handles - Order Separately** (see page M36 for details and other options)

For Switch Frames	Options for Black / Silver handles										Options for Padlockable - Red / Yellow handles	
	Red Handle / Yellow Faceplate				Cylinder Lock: Key operated Silver faceplate		Cylinder Lock: Black handle Silver faceplate		Padlock Mechanism: Black handle Silver faceplate		Padlockable Black Handle	
												
	Handle	Faceplate	Not UL/CSA approved		Not UL/CSA approved		Not UL/CSA approved		NEMA 3R			
Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	Catalog No.	Price	
T0, T3, P1	KNB-RT-T0		FS908GE-T0		S-T0		SVA-T3		SVC-T3		SVB-SW-T0	
T5B, P3	KNB-RT-P3		FS908GE-P3		–		–		–		SVB-SW-P3	

**Part 1**

<b>MOELLER</b>		Initial order for a cam switch combination Première commande de combinaisons de commutateur à cames																			
Order number: N° de commande: <b>P03-14159</b>	Title: Poste: <b>Chief Engineer</b>	Office location: Bureau adresse: <b>New, NY</b>	Contact Name: Nom de contact: <b>Philip J. Fry</b>																		
Company: Société: <b>Planet Express</b>		Customer number: N° client: <b>8675309</b>	Date: Date: <b>12/21/12</b>																		
Note: Note:  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 combinaisons selon les modèles.	Quantity: Quantité: <b>42</b>  Price each: Prix unitaire: <b>125</b>	Switching angle: Angle de rotation: <input type="checkbox"/> 30 <input type="checkbox"/> 45 <input checked="" type="checkbox"/> 60 <input type="checkbox"/> 90	Switch size: Ampleur de Interrupteur: <input checked="" type="checkbox"/> T0 (to 16A) <input type="checkbox"/> T3 (to 25A) <input type="checkbox"/> TSB (to 65A)																		
		No. of contacts: Nombre de contacts: <input type="checkbox"/> 1 <input type="checkbox"/> 12 <input type="checkbox"/> 2 <input type="checkbox"/> 13 <input type="checkbox"/> 3 <input type="checkbox"/> 14 <input type="checkbox"/> 4 <input type="checkbox"/> 15 <input checked="" type="checkbox"/> 5 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> 6 <input type="checkbox"/> 17 <input type="checkbox"/> 7 <input type="checkbox"/> 18 <input type="checkbox"/> 8 <input type="checkbox"/> 19 <input type="checkbox"/> 9 <input type="checkbox"/> 20 <input type="checkbox"/> 10 <input type="checkbox"/> 21 <input type="checkbox"/> 11 <input type="checkbox"/> 22	Mounting type: Modèle: (refer to pages M62 – M64 to determine Mounting type) <input checked="" type="checkbox"/> E <input type="checkbox"/> EA/SVB <input type="checkbox"/> EA/SVB-SW <input type="checkbox"/> EZ <input type="checkbox"/> EZ/OFS <input type="checkbox"/> I...-NA <input type="checkbox"/> I.../SVB-NA <input type="checkbox"/> I.../SVB-SW-NA <input type="checkbox"/> I.../SVB-SW-NA <input type="checkbox"/> IVS <input type="checkbox"/> V/SVB <input type="checkbox"/> V/SVB-SW <input type="checkbox"/> Z  Additional modifications: Altération ajoutée: <input type="checkbox"/> + NA <input type="checkbox"/> + S-TO <input type="checkbox"/> + _____																		
		Max. characters / switching angle on FS plate Max. caractères / angle de rotation sur plaque FS																			
		<table border="1"> <thead> <tr> <th>Degrees / degrés</th> <th>T0(3)</th> <th>TSB</th> </tr> </thead> <tbody> <tr> <td>0, 180</td> <td>13</td> <td>13</td> </tr> <tr> <td>30, 150, 210, 330</td> <td>8</td> <td>8</td> </tr> <tr> <td>45, 135, 225, 315</td> <td>7</td> <td>7</td> </tr> <tr> <td>60, 120, 240, 300</td> <td>6</td> <td>7</td> </tr> <tr> <td>90, 270</td> <td>5</td> <td>7</td> </tr> </tbody> </table>		Degrees / degrés	T0(3)	TSB	0, 180	13	13	30, 150, 210, 330	8	8	45, 135, 225, 315	7	7	60, 120, 240, 300	6	7	90, 270	5	7
Degrees / degrés	T0(3)	TSB																			
0, 180	13	13																			
30, 150, 210, 330	8	8																			
45, 135, 225, 315	7	7																			
60, 120, 240, 300	6	7																			
90, 270	5	7																			

**Part 2**

**Part 3**

**Part 4**

**Part 5**

**Part 6**

Front Plate No. Plastron N° <b>FS (164721)-T0</b>	Contact chambers/Galettes 1   2   3   4   5   6   7   8   9   10   11																					
<input checked="" type="checkbox"/> Complete rotation Rotation totale																						
<input type="checkbox"/> Spring return Retour autom																						
Marking Repérage L1-L2 L2-L3 L3-L1 L1-N L2-N L3-N																						
Degrees Degrés 270 300 315 330 0 30 45 60 90 120 135 150 180 210 225 240	1	3	5	7	9	11	13	15	17	19	21	23	25	27	29	31	33	35	37	39	41	43
	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	42	44
				X	X																	
		X	X																			
		X			X																	
					X	X																
			X																			
	X					X																
Key removable Retrait de la clé	X Type for re-orders (to be filled in by Factory) Référence pour commandes ultérieures (à compléter par l'usine)																					
	T _____																					

**Part 7**

Switch Size T0

Switch Size	Maximum Motor Rating [HP]							Current Rating UL/CSA
	Single Phase			Three Phase				
	@115V	@200V	@230V	@200V	@230V	@460V	@575V	
T0	¾	2	2	3	3	10	10	16

Basic Switch (for customizing) Selection Instructions



- 1 Locate switch with enough contact chambers to hold the number of contacts of your custom switch. Each contact chamber can hold two contacts.
- 2 Locate the desired handle and mounting type combination. Select corresponding checkbox and enter price on form (page M65).
- 3 Add catalog prefix and suffix together to complete catalog number for order (ac-company with completed form).

T0... Basic Switches for Customizing

Catalog Number Prefix			Handle ②	Mounting Types									
Switch Size	Contact Chambers ①	Custom Switch		Flush		Base		Center Hole (22.5 mm)		Enclosed		Distribution Board	
				Catalog Suffix	Price	Catalog Suffix	Price	Catalog Suffix	Price	Catalog Suffix	Price	Catalog Suffix	Price
<b>T0 Switch Sizes</b>													
T0-	1-	SOND*	Black / Silver	/E	/Z	/EZ	/I2-NA	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	/I2/SVB-SW-NA	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	/I2/SVB-NA	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	2-	SOND*	Black / Silver	/E	/Z	/EZ	/I2-NA	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	/I2/SVB-SW-NA	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	/I2/SVB-NA	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	3-	SOND*	Black / Silver	/E	/Z	/EZ	/I2-NA	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	/I2/SVB-SW-NA	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	/I2/SVB-NA	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	4-	SOND*	Black / Silver	/E	/Z	/EZ	/I2-NA	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	/I2/SVB-SW-NA	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	/I2/SVB-NA	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	5-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	6-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	7-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	8-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	9-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	10-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					
T0-	11-	SOND*	Black / Silver	/E	/Z	/EZ	-	/IVS					
			Padlockable - Black	/EA/SVB-SW	/V/SVB-SW	-	-	-					
			Padlockable - Red / Yellow	/EA/SVB	/V/SVB	-	-	-					
			Without Faceplate Holder	-	-	/EZ/OFS	-	-					

① Each contact chamber can hold two contacts.

② Padlockable handles may only be used for 2-position, ON-OFF switches. Handles are marked ON at degree position 0 and OFF at degree position 270.

Rotary Switches			T0-...	T3-...	T5B-...
<b>General</b>					
Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL, Switch-disconnectors to IEC/EN 60947-3 Load-break switches to IEC/EN 60947-3		
UL report number			E36332		
CSA report number			012528		
Lifespan, mechanical	Operations	[x 10 <sup>6</sup> ]	1	0.5	0.5
Maximum operating frequency	Operations/h		3000	3000	3000
Climatic proofing			Damp heat, constant to IEC 60068-2-78; damp heat, cyclical, to IEC 60068-2-30		
Ambient temperature					
Open		[°C / °F]	-25...50 °C / -13...122 °F	-25...50 °C / -13...122 °F	-25...50 °C / -13...122 °F
Enclosed		[°C / °F]	-25...40 °C / -13...104 °F	-25...40 °C / -13...104 °F	-25...40 °C / -13...104 °F
Mounting position			As required	As required	As required
Mechanical shock-resistance (IEC/EN 60068-2-27)					
Half-sinusoidal shock, 20 ms		[g]	> 15	> 15	> 15
<b>Contacts</b>					
Rated operational voltage	$U_e$	[V AC]	690	690	690
Rated impulse withstand voltage	$U_{imp}$	[V AC]	6000	6000	6000
Overvoltage category/pollution degree			III/3	III/3	III/3
Rated uninterrupted current (UL)	$I_u$	[A]	16	25	65
Rated uninterrupted current (IEC)					
Open		$I_u$	[A]	20	32
Enclosed		$I_u$	[A]	20	32
Load rating with intermittent operation, class 12					
AB 25 % DF		[x $I_e$ ]	2	2	2
AB 40 % DF		[x $I_e$ ]	1.6	1.6	1.6
AB 60 % DF		[x $I_e$ ]	1.3	1.3	1.3
Short-circuit rating	Fuse	[A gG/gL]	20	35	80
Rated short-time withstand current (1 s current)	$I_{cw}$	[A <sub>rms</sub> ]	320	650	1300
Safe isolation to VDE 0106 Part 101 and Part 101/A1					
Between contacts		[V AC]	440	440	440
Switching angles		[°]	90, 60, 45, 30	90, 60, 45, 30	90, 60, 45, 30
Contact units			11	11	10
Double-break contacts			max. 22	max. 22	max. 20
Current heat loss per contact at $I_e$		[W]	0.6	1.1	4.5
<b>Terminal Capacities</b>					
Solid or stranded		[mm <sup>2</sup> ]	1 x (1 – 2.5) 2 x (1 – 2.5)	1 x (1 – 6) 2 x (1 – 6)	1 x (2.5 – 35) 2 x (2.5 – 16)
Flexible with ferrule to DIN 46228		[mm <sup>2</sup> ]	1 x (0.75 – 1.5) 2 x (0.75 – 1.5)	1 x (0.75 – 4) 2 x (0.75 – 4)	1 x (1.5 – 25) 2 x (1.5 – 10)
Terminal screw			M3.5	M4	M6
Tightening torque		[Nm]	1	1.6	4

Rotary Switches				T0-...	T3-...	T5B-...
Switching Capacities						
AC						
Rated making capacity $\cos \varphi = 0.35$		[A]		130	320	800
Rated breaking capacity, motor load switch $\cos \varphi = 0.35$						
230V		[A]		100	260	520
400V		[A]		110	260	600
500V		[A]		80	240	480
690V		[A]		60	170	340
AC-21A Rated operational current load-break switch						
440V	$I_e$	[kW]		20	32	63
AC-3 motor load switch motor rating						
230V	$P$	[kW]		3	6.5	15
230V Star-delta	$P$	[kW]		4	11	22
400/415V	$P$	[kW]		4	12	22
400V Star-delta	$P$	[kW]		5.5	18.5	37
500V	$P$	[kW]		5.5	15	22
500V Star-delta	$P$	[kW]		7.5	22	37
690V	$P$	[kW]		4	15	22
690V Star-delta	$P$	[kW]		5.5	22	37
AC-23A motor load switches (main switches, maintenance switches)						
230V	$P$	[kW]		3.5	7.5	15
400/415V	$P$	[kW]		6.5	13	22
500V	$P$	[kW]		13	15	22
690V	$P$	[kW]		—	—	22
AC-15 Rated operational current control switch						
230V	$I_e$	[A]		6	10	16
400/415V	$I_e$	[A]		4	6	6
500V	$I_e$	[A]		2	4	4
DC (IEC only)						
DC-1, load-break switches L/R = 1 ms						
Rated operational current		$I_e$	[A]	10	25	63
Voltage per contact pair in series			[V]	60	60	60
DC-21A, 240 V						
Rated operational current		$I_e$	[A]	1	1	—
Contacts			[Quantity]	1	1	—
DC-23A, motor load switch L/R = 15 ms						
24V	Rated operational current	$I_e$	[A]	10	25	50
	Contacts		[Quantity]	1	1	1
48V	Rated operational current	$I_e$	[A]	10	25	50
	Contacts		[Quantity]	2	2	2
60V	Rated operational current	$I_e$	[A]	10	25	50
	Contacts		[Quantity]	3	3	3
120V	Rated operational current	$I_e$	[A]	5	12	25
	Contacts		[Quantity]	3	3	3
240V	Rated operational current	$I_e$	[A]	5	5	20
	Contacts		[Quantity]	5	5	6
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	25
Control circuit reliability at 24V DC, 10 mA		Fault probability	[F/F]	< 10 <sup>-5</sup> (less than 1 fault in 100000 operations)		

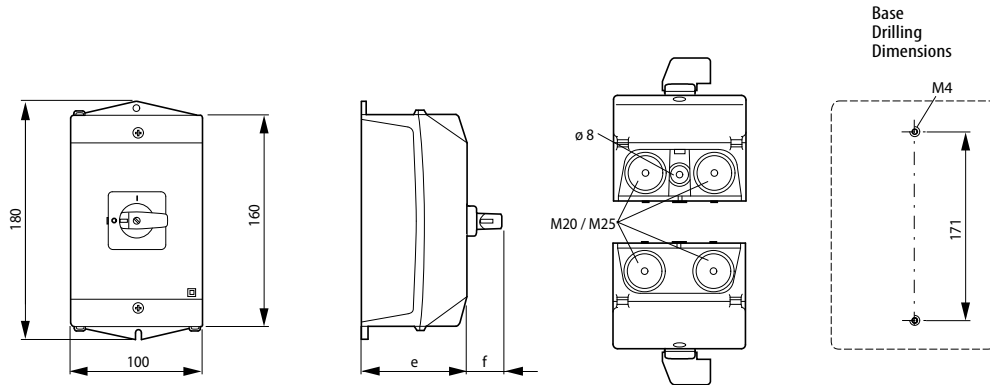
M

Rotary Switches

**T0... Rotary Switches Enclosed**

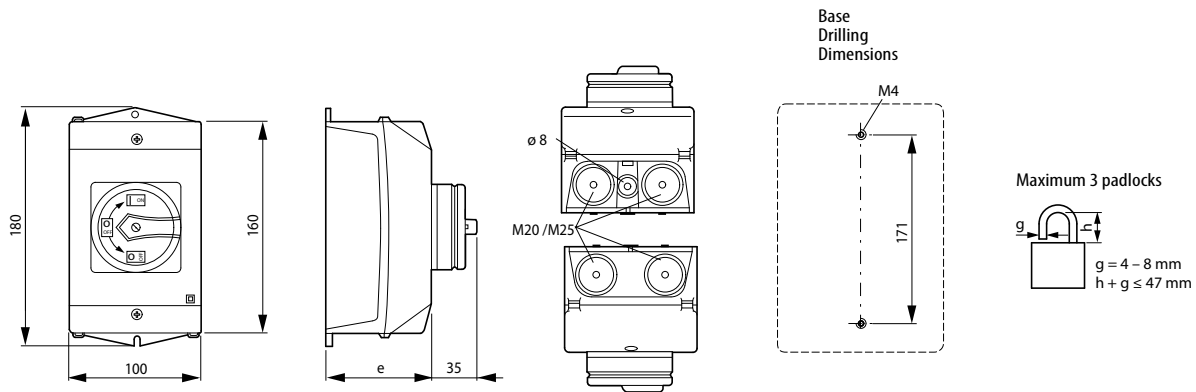
Standard size handle  
T0.../I2

Dimensions are in millimeters.  
Not intended for manufacturing purposes.



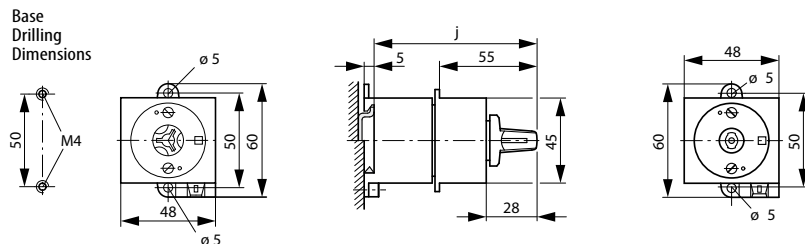
Catalog Number	Dimension	
	e	f
T0-1...	80	27
T0-2...	80	27
T0-3...	100	35
T0-4...	100	35

Padlockable size handle  
T0.../I2/SVB-SW  
T0.../I2/SVB



**T0... Rotary Switches Distribution Board Mounting**

Standard size handle  
T0.../IVS



Catalog Number	Dimension
	j
T0-1...	77
T0-2...	87
T0-3...	96
T0-4...	106
T0-5...	115
T0-6...	125
T0-7...	134
T0-8...	144
T0-9...	154
T0-10...	163
T0-11...	173

One contact unit depth:  
9.5 mm