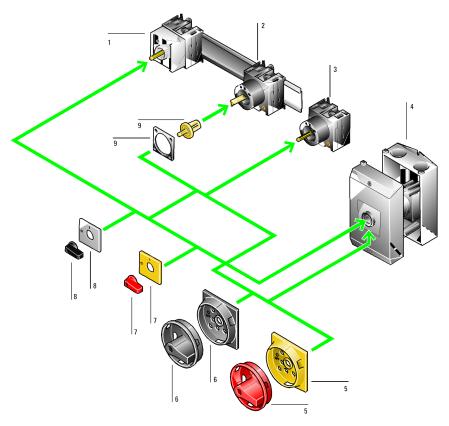
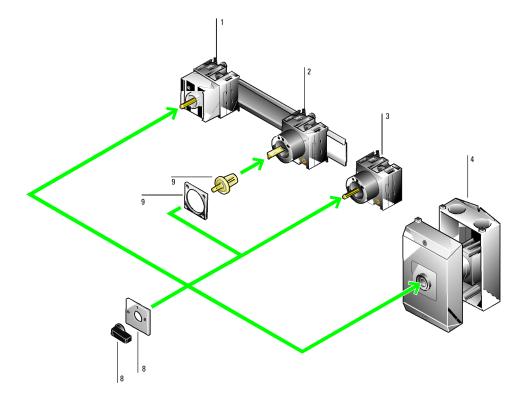
# **T Cam Switches** System Overview

On-Off switches T0, T3, T5B



Control switches T0, T3, T5B



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## **T Cam Switches** System Overview

Base mounting with cover (/IVS)	1	Cover mounting motor disconnect switches (/EA/SVB)	3	Main disconnect swit
Front IP 30 Additional front protection when panel		Padlockable handle, black or red-yellow		suitable for Emergen applications
door is open		(Emergency-Stop)		Designed to meet the r main disconnect switch
Ideal for switches mounted internally in larger panels		OFF position lockable with up 3 padlocks  Meets IEC/EN 60 204 (main disconnectors,		60 204-1, VDE 0113-1
Can be either panel mounted with screws		Emergency-Stop switches) and IEC/EN		Red padlockable handl
or clipped on DIN rail to EN 50 022		60 947-3 (switch-disconnectors), up to 8 circuits for T0, up to 12 circuits for T3		Lockable in OFF positio locks
Switch can accommodate up to 11 contact chambers (T0 switch only)		UL listed / CSA certified motor disconnect switches per NEC		→ page 07/060
→ page 07/017		→ page 07/012		Main disconnect swit
Base mounting (/Z)	2			Designed to meet the r
Can be either panel mounted with screws	۷	Center mounting (/EZ)	3	main disconnect switch 60 204, VDE 0113
or clipped on DIN rail to EN 50 022 (T0 or T3)		Mounting in standard opening used by 22.5mm pilot devices (refer to Section 05, RMQ-Titan)		Black padlockable hand
Can be equipped with knobs or padlockable handles		Permits a "one person" assembly to save mounting time		Lockable in the OFF po padlocks
Coupling drive mounts in door or cover		Ideal for cam switches programmed for		→ page 07/060
Field-wiring terminals accessible from front.		control circuit functions and mounted together with standard pilot devices in large		> page 07/000
		control panel doors.		Standard knob handl Emergency-Stop app
→ page 07/017		→ page 07/017		Designed to meet the r IEC/EN 60 204-1, VDE 0
Base mounting motor disconnect		Surface mounting enclosures (/l)	4	Red handle with yellow
switches (/V/SVB)		Corrosion-resistant, insulating material		> nago 07/060
Padlockable handle, black or red-yellow (Emergency-Stop)		enclosures, IP 65 totally insulated  Can be equipped with standard knobs or		→ page 07/060
OFF position lockable with up 3 padlocks		padlockable handles for main disconnect		Standard knob handl
Meets IEC/EN 60 204 (main disconnectors, Emergency-Stop switches) and IEC/EN		switch applications  Surface mounting main disconnect switch-		Designed to meet the r IEC/EN 60 204, VDE 01
60 947-3 (switch-disconnectors), up to 8		es in accordance with IEC/EN 60 204 and		Black handle with silve
circuits for T0, up to 12 circuits for T3 UL listed / CSA certified motor disconnect		IEC/EN 60 947-3, T0 up to 8 circuits, T3 up to 10 circuits		plate
switches per NEC		Lockable in the OFF position with up to 3		→ page 07/060
Cover interlocked when switch is in the ON position		padlocks  Suitable as surface mounted Emergency-		-> page 07/000
position		Stop switches per IEC/EN 60 204, with red		Coupling drive
→ page 07/013		handle, yellow collar		Includes push-to-fit sha
		→ page 07/017		Linking mechanism use
Cover mounting (/E)	3	-> page 07/017		of a basic switch (T0(3) mounted version (T0(T3
For mounting in covers, doors or walls of control panels				Can be stocked as spar T0(T3)/Z switch
Field-wiring terminals accessible from back for easy access				Changes a cover moun E) into a base mounted
Finger and back of hand safe design				Can be stocked as a sp T5B/Z switch
→ page 07/016				
				→ page 07/064

Main disconnect switch handles ncy-OFF

requirements of ches per IEC/EN

dle with yellow collar ion with up to 3 pad-

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requirements of ches per IEC/EN

ndle and collar osition with up to 3

### dles suitable for plications

requirements of 0113-1

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8

requirements of

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9

haft

sed in the conversion (3)-.../...) into a base (T3)-.../Z

are part for

nted switch (T5B-.../ ed version (T5B-.../Z)

pare part for the

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:

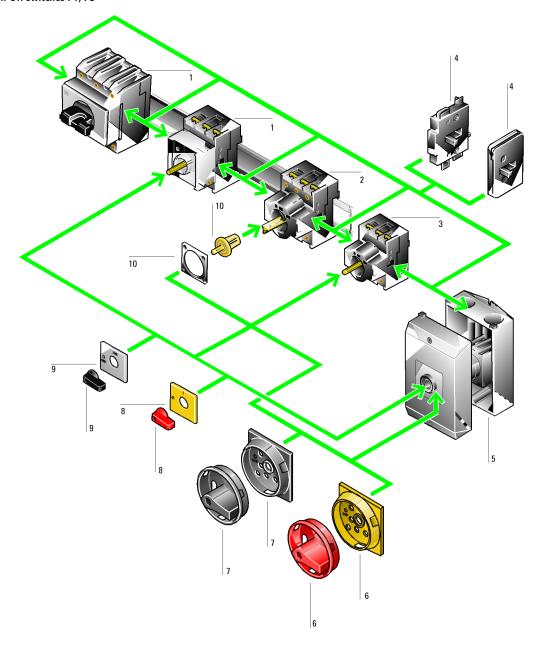
- UL listing, CSA certification as manual motor controllers and motor disconnect switches per the intent of the NEC and OSHA lock out/tag out requirements.
- Compliance with IEC/EN 60 204 as Main Disconnect and Emergency-Stop switches and conformity with 60 947-3 as Switch-disconnectors for
- Finger and back-of-hand-safe design for enhanced protection in the workplace against shock hazards.



# **P Motor Disconnect Switches**

System Overview

On-Off switches P1, P3



Type P1 and P3 switches are 2-position (On-Off), 90° rotary operated 3 phase manual motor controllers and disconnect switches rated up to 100A. 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 certificationas manual motor controllers and motor disconnect switches per the intent of the NEC and OSHA lock-out/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 applica-
- Finger and back-of-hand-safe design for enhanced protection in the workplace against shock hazards.



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# **P Motor Disconnect Switches** System Overview

Base mounting with cover (/IVS) Front IP 30	1	Cover mounting main disconnect switches (/EA/SVB)	3	Main disconnect switch handles suitable for Emergency-Stop
Additional front protection when panel door is open		Padlockable handle, black or red-yellow (Emergency-Stop), rated NEMA 3R, 12,		applications  Designed to meet requirements of
Ideal for switches mounted internally in		IP 65		IEC/ĒN 60 204-1, VDĒ 0113 part 1
larger panels		Off position lockable with up to 3 padlocks		Red padlockable handle with yellow collar
Can be either panel mounted with screws or clipped on DIN rail to EN 50 022		Meets IEC/EN 60 204 (main disconnectors, Emergency-Stop switches) and IEC/EN 60 947-3 ((switch-disconnectors)		Lockable in the Off position with up to 3 padlocks
P3/IVS can be padlocked in the OFF position		UL listed / CSA certified motor disconnect switches per NEC		→ page 07/060
→ page 07/017				Main disconnect switch handles
V 11-35-1-1		→ page 07/012		Designed to meet requirements of IEC/EN
Base mounting (/Z)	2	Center mounting (/EZ)	3	60-204.
Front IP 65		NEMA 3R, 12, IP 65 (P1 only)	5	Black padlockable handle and collar
Can be either panel mounted with screws or clipped on DINrail to EN 50 022		Mounting in standard opening used by 22.5mm pilot devices (refer to Section 05,		Lockable in the Off position with up to 3 padlocks
Can be equipped with knobs or padlockable handles		RMQ-Titan)		→ page 07/060
Coupling drive mounts in door or cover		Permits a "one person" assembly to save mounting time		
Field-wiring terminals accessible from front		→ page 07/017		Standard knob handles suitable for Emergency-Stop applications
→ page 07/017		-> page onon		Designed to meet the requirements of IEC/EN 60 204-1, VDE 0113 part 1
• Federalia				Red handle with yellow nameplate
Base mounting main disconnect	2	Add-on modules	4	
switches (/V/SVB) Padlockable handle, black or red-yellow		Switching neutral pole (early-make) for 4- pole applications (predominantly in cer- tain IEC countries). The 4th pole switches		→ page 07/060
(Emergency-Stop), rated NEMA 3R, 12, IP 65		in advance of the main power contacts.		Standard knob handles
Off position lockable with up to 3 padlocks		Auxiliary contact module HI11 (1 N.O. and 1 N.C.). The N.O. contact is designed to		Designed to meet the requirements of IEC/ EN 60 204
Meets IEC/EN 60 204 (main disconnectors, Emergency-Stop switches) and IEC/EN 60 947-3 (switch-disconnectors)		operate as a load-shedding contact: switches after the main contacts when turning (N) and opens before when turn-		Black handle with silver-colored name- plate
UL listed / CSA certified motor disconnect switches per NEC		ing OFF (late make/early break)  Both modules feature finger-safe construc-		→ page 07/060
Cover interlocked when switch is in the ON		tion		Carrellina datus
position		→ page 07/062		Coupling drive
→ page 07/013		—> page 07/002		Includes push-to-fit shaft Linking mechanism used in the conversion
—> page 07/013		Surface mounting enclosures (/I)	5	of a basic switch into a base mounted ver-
Cover mounting (/E)	3	Corrosion-resistant, insulating enclosures		sion/Z
NEMA 3R, 12, IP 65		IP 65 [totally insulated]		Can be stocked as a spare part for P1(P3)/Z switch
For mounting in covers, doors or walls of control panels		Can be equipped with standard knobs or padlockable handles for main disconnect		/Z SWICH
Field-wiring terminals accessible from back for easy access		switch applications Surface mounting main disconnect switch-		→ page 07/064
Finger and back of hand safe design		es in accordance with IEC/EN 60 204 and IEC/EN 60 947-3		
→ page 07/016		Lockable in the Off position with up to 3 padlocks		
		Suitable as surface mounted Emergency- Stop switches per IEC/EN 60 204-1 with red handle, yellow collar		
		Number of possible add on modules for		

Note: For information regarding the P3 switch listed as a molded case switch, please consult Moeller Electric.



Number of possible add-on modules for enclosed switches: 1 for P1 switch; 2 for P3 switch

→ page 07/017