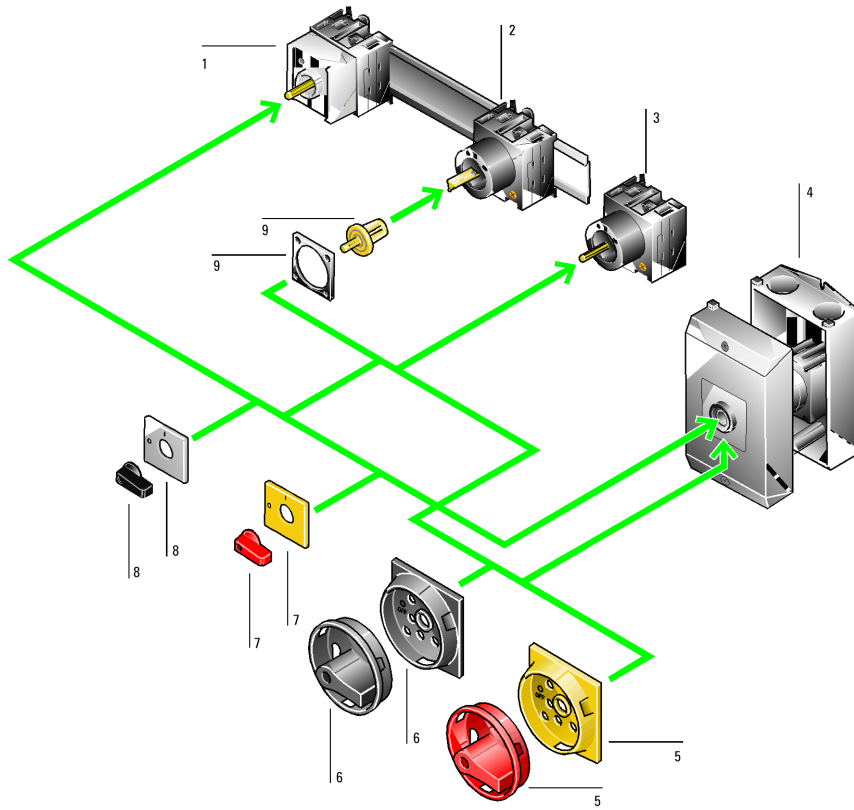
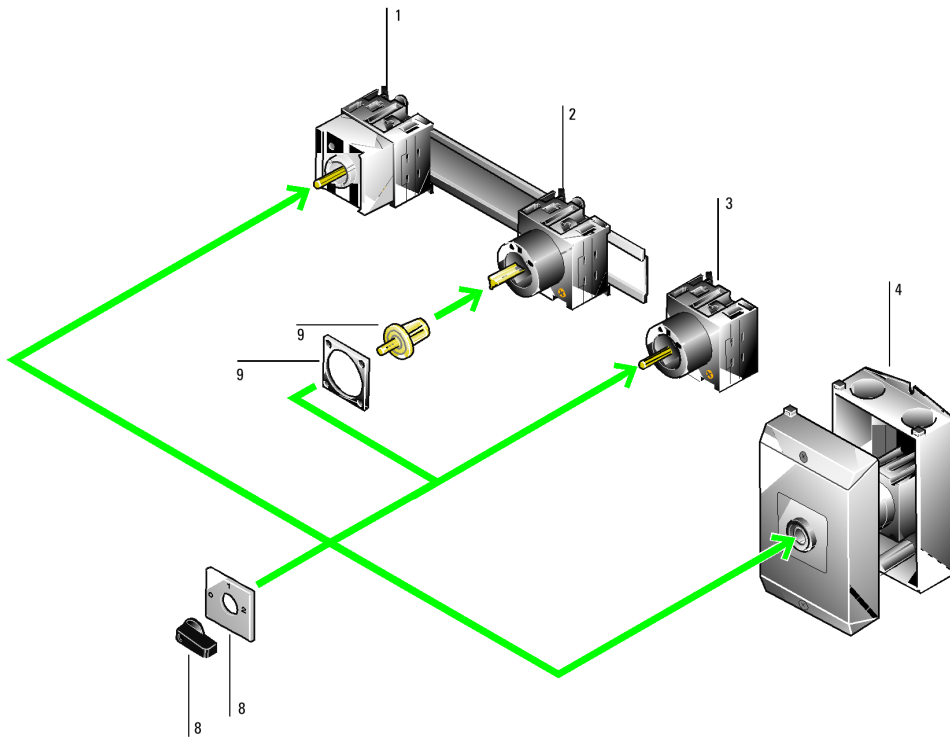


T Cam Switches System Overview

On-Off switches T0, T3, T5B



Control switches T0, T3, T5B



T Cam Switches System Overview

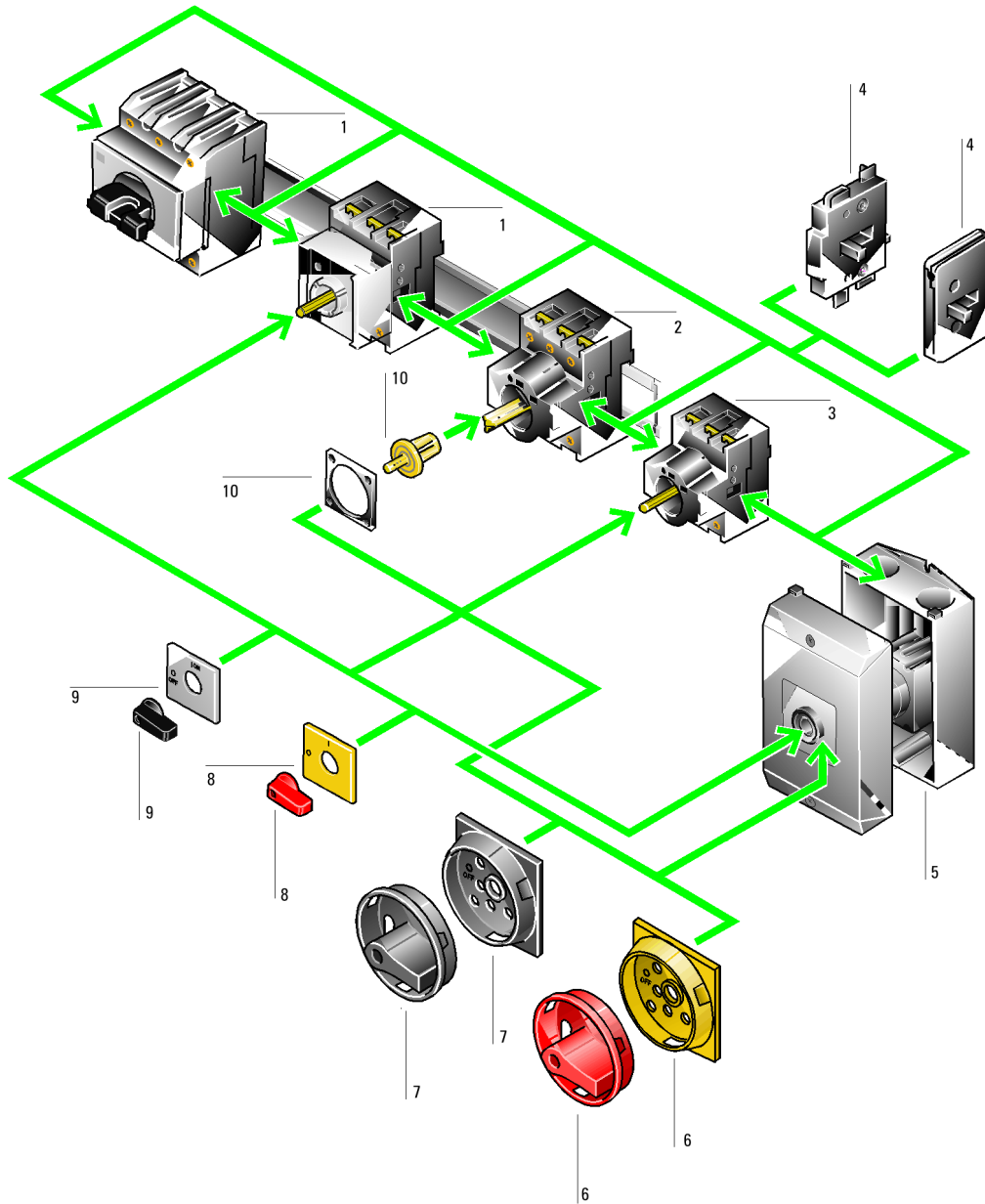
Base mounting with cover (.../IVS) 1 Front IP 30 Additional front protection when panel door is open Ideal for switches mounted internally in larger panels Can be either panel mounted with screws or clipped on DIN rail to EN 50 022 Switch can accommodate up to 11 contact chambers (T0 switch only) → page 07/017	Cover mounting motor disconnect switches (.../EA/SVB) 3 Padlockable handle, black or red-yellow (Emergency-Stop) OFF position lockable with up 3 padlocks Meets IEC/EN 60 204 (main disconnects, Emergency-Stop switches) and IEC/EN 60 947-3 (switch-disconnectors), up to 8 circuits for T0-..., up to 12 circuits for T3-... UL listed / CSA certified motor disconnect switches per NEC → page 07/012	Main disconnect switch handles suitable for Emergency-OFF applications 5 Designed to meet the requirements of main disconnect switches per IEC/EN 60 204-1, VDE 0113-1 Red padlockable handle with yellow collar Lockable in OFF position with up to 3 padlocks → page 07/060
Base mounting (.../Z) 2 Can be either panel mounted with screws or clipped on DIN rail to EN 50 022 (T0 or T3) Can be equipped with knobs or padlockable handles Coupling drive mounts in door or cover Field-wiring terminals accessible from front. → page 07/017	Center mounting (.../EZ) 3 Mounting in standard opening used by 22.5mm pilot devices (refer to Section 05, RMQ-Titan) 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. → page 07/017	Main disconnect switch handle 6 Designed to meet the requirements of main disconnect switches per IEC/EN 60 204, VDE 0113 Black padlockable handle and collar Lockable in the OFF position with up to 3 padlocks → page 07/060
Base mounting motor disconnect switches (.../V/SVB) 2 Padlockable handle, black or red-yellow (Emergency-Stop) OFF position lockable with up 3 padlocks Meets IEC/EN 60 204 (main disconnects, Emergency-Stop switches) and IEC/EN 60 947-3 (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 → page 07/013	Surface mounting enclosures (.../I...) 4 Corrosion-resistant, insulating material enclosures, IP 65 <small>totally insulated</small> 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-Stop switches per IEC/EN 60 204, with red handle, yellow collar → page 07/017	Standard knob handles suitable for Emergency-Stop applications 7 Designed to meet the requirements of IEC/EN 60 204-1, VDE 0113-1 Red handle with yellow nameplate → page 07/060
Cover mounting (.../E) 3 For mounting in covers, doors or walls of control panels Field-wiring terminals accessible from back for easy access Finger and back of hand safe design → page 07/016		Standard knob handles 8 Designed to meet the requirements of IEC/EN 60 204, VDE 0113 Black handle with silver-colored nameplate → page 07/060
		Coupling drive 9 Includes push-to-fit shaft Linking mechanism used in the conversion of a basic switch (T0(3)-.../...) into a base mounted version (T0(T3)-.../Z) Can be stocked as spare part for T0(T3)-.../Z switch Changes a cover mounted switch (T5B-.../E) into a base mounted version (T5B-.../Z) Can be stocked as a spare part for the T5B-.../Z switch → page 07/064

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 CE applications.
- 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 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 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.

P Motor Disconnect Switches System Overview

Base mounting with cover (.../IVS) 1 Front IP 30 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 to EN 50 022 P3-.../IVS can be padlocked in the OFF position → page 07/017	Cover mounting main disconnect switches (.../EA/SVB) 3 Padlockable handle, black or red-yellow (Emergency-Stop), rated NEMA 3R, 12, IP 65 Off position lockable with up to 3 padlocks Meets IEC/EN 60 204 (main disconnectors, Emergency-Stop switches) and IEC/EN 60 947-3 (switch-disconnectors) UL listed / CSA certified motor disconnect switches per NEC → page 07/012	Main disconnect switch handles suitable for Emergency-Stop applications 6 Designed to meet requirements of IEC/EN 60 204-1, VDE 0113 part 1 Red padlockable handle with yellow collar Lockable in the Off position with up to 3 padlocks → page 07/060
Base mounting (.../Z) 2 Front IP 65 Can be either panel mounted with screws or clipped on DINrail to EN 50 022 Can be equipped with knobs or padlockable handles Coupling drive mounts in door or cover Field-wiring terminals accessible from front → page 07/017	Center mounting (.../EZ) 3 NEMA 3R, 12, IP 65 (P1 only) Mounting in standard opening used by 22.5mm pilot devices (refer to Section 05, RMQ-Titan) Permits a "one person" assembly to save mounting time → page 07/017	Main disconnect switch handles 7 Designed to meet requirements of IEC/EN 60-204. Black padlockable handle and collar Lockable in the Off position with up to 3 padlocks → page 07/060
Base mounting main disconnect switches (.../V/SVB) 2 Padlockable handle, black or red-yellow (Emergency-Stop), rated NEMA 3R, 12, IP 65 Off position lockable with up to 3 padlocks Meets IEC/EN 60 204 (main disconnectors, Emergency-Stop switches) and IEC/EN 60 947-3 (switch-disconnectors) UL listed / CSA certified motor disconnect switches per NEC Cover interlocked when switch is in the ON position → page 07/013	Add-on modules 4 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 HI11 (1 N.O. and 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 → page 07/062	Standard knob handles suitable for Emergency-Stop Applications 8 Designed to meet the requirements of IEC/EN 60 204-1, VDE 0113 part 1 Red handle with yellow nameplate → page 07/060
Cover mounting (.../E) 3 NEMA 3R, 12, IP 65 For mounting in covers, doors or walls of control panels Field-wiring terminals accessible from back for easy access Finger and back of hand safe design → page 07/016	Surface mounting enclosures (.../I...) 5 Corrosion-resistant, insulating enclosures IP 65 <small>totally insulated</small> 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-Stop switches per IEC/EN 60 204-1 with red handle, yellow collar Number of possible add-on modules for enclosed switches: 1 for P1 switch; 2 for P3 switch → page 07/017	Standard knob handles 9 Designed to meet the requirements of IEC/EN 60 204 Black handle with silver-colored nameplate → page 07/060
		Coupling drive 10 Includes push-to-fit shaft Linking mechanism used in the conversion of a basic switch into a base mounted version .../Z Can be stocked as a spare part for P1(P3)-.../Z switch → page 07/064

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