

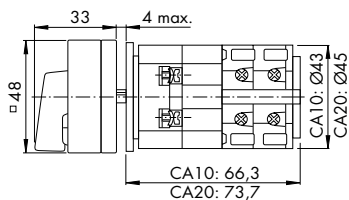
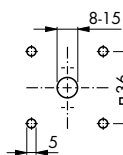
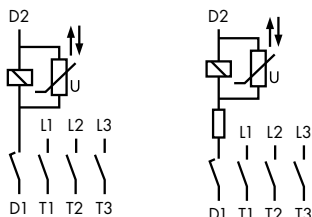
Disconnecter acc. to EN 60947 with under-voltage release without trip free release

3 pole, Four hole panel mounting, IP40



Coil voltage
230 V

400 V



The magnetic system includes a low-noise DC voltage coil with embedded diodes (reverse voltage 1000 V). Therefore it operates frequency-independent. Switches are available with coils for 24 V up to 600 V (IP 20 to 240 V).

The magnetic system of the under-voltage release is shifting back the switch via a linear retracting into the OFF-position („0“) in case of a voltage drop below 70% of the nominal voltage. The magnetic coil is triggered by a first make contact. As the device does not contain a free-release, the main contacts close even in the Released-stage as long as the handle is manually held or blocked in the On-position („I“).

Ambient temperature: 35 °C over 24 hours with peaks up to 40 °C

Continuous current (I _v /I _{th})	Switching power AC-23B (A) 3 x 400 V	Escutcheon plate	Order number
Coil voltage 230 V, 50 Hz/60 Hz/DC			
20 A	7,5 kW	48 x 48	CA10X.T203/01.E
25 A	11 kW	48 x 48	CA20X.T203/01.E
Coil voltage 400 V, 50 Hz/60 Hz/DC¹			
20 A	7,5 kW	48 x 48	CA10X.T203/D-A004.E
25 A	11 kW	48 x 48	CA20X.T203/D-A001.E

Continuous current (I _v /I _{th})	Switching power AC-23B (A) 3 x 400 V	Escutcheon plate	Order number
Coil voltage 230 V, 50 Hz/60 Hz/DC			
20 A	7,5 kW	48 x 48	CA10X.T103/01.E
25 A	11 kW	48 x 48	CA20X.T103/01.E
Coil voltage 400 V, 50 Hz/60 Hz/DC¹			
20 A	7,5 kW	48 x 48	CA10X.T103/D-A001.E
25 A	11 kW	48 x 48	CA20X.T103/D-A004.E

¹ Auxiliary terminal for series resistor not finger proof

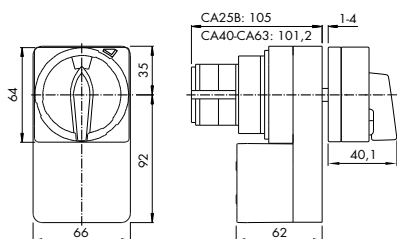
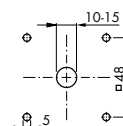
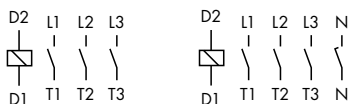
Main-/Emergency switches with under-voltage release acc. to EN 60204, with trip free release

3 or 4 pole, Four hole panel mounting, IP40



3pole

4 pole



The magnetic system of the under-voltage release is shifting the switch into the release position („+“) in case of a voltage drop below 70% of the nominal voltage. This is as well the delivery status.

By turning the grip back from the released-position „+“ into the On-position („I“) the release spring is loaded and remains loaded when switching between On- („I“) and OFF-position („0“). As the device includes a free-release acc. To EN 60947-1, the main contactors remain open in the released-stage even the handle is manually held or blocked in the On position („I“)

Ambient temperature: 35 °C over 24 hours with peaks up to 40 °C

Continuous current (I _v /I _{th})	Switching power AC-23B (A) 3 x 400 V	Escutcheon plate	Order number	
			3 pole	4 pole
Coil voltage 230 V, 50 Hz				
32 A	15 kW	64 x 64	CA25B.T203/92.E	CA25B.T204/92.E
40 A	18,5 kW	64 x 64	CA40.T203/82.E	CA40.T204/82.E
50 A	22 kW	64 x 64	CA50.T203/82.E	CA50.T204/82.E
63 A	30 kW	64 x 64	CA63.T203/82.E	CA63.T204/82.E
Coil voltage 400 V, 50 Hz				
32 A	15 kW	64 x 64	CA25B.T203/D-A026.E	CA25B.T204/D-A011.E
40 A	18,5 kW	64 x 64	CA40.T203/D-A002.E	CA40.T204/D-A001.E
50 A	22 kW	64 x 64	CA50.T203/D-A001.E	CA50.T204/D-A001.E
63 A	30 kW	64 x 64	CA63.T203/D-A001.E	CA63.T204/D-A003.E

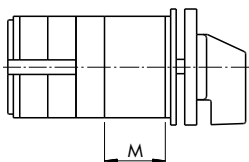
Continuous current (I _v /I _{th})	Switching power AC-23B (A) 3 x 400 V	Escutcheon plate	Order number	
			3 pole	4 pole
Coil voltage 230 V, 50 Hz				
32 A	15 kW	64 x 64	CA25B.T103/92.E	CA25B.T104/92.E
40 A	18,5 kW	64 x 64	CA40.T103/82.E	CA40.T104/82.E
50 A	22 kW	64 x 64	CA50.T103/82.E	CA50.T104/82.E
63 A	30 kW	64 x 64	CA63.T103/82.E	CA63.T104/82.E
Coil voltage 400 V, 50 Hz				
32 A	15 kW	64 x 64	CA25B.T103/D-A004.E	CA25B.T104/D-A002.E
40 A	18,5 kW	64 x 64	CA40.T103/D-A002.E	CA40.T104/D-A001.E
50 A	22 kW	64 x 64	CA50.T103/D-A001.E	CA50.T104/D-A001.E
63 A	30 kW	64 x 64	CA63.T103/D-A001.E	CA63.T104/D-A001.E

60 Hz respectively other coil voltages Upon request (With DC a series resistor is required).

CONTROL SWITCHES AND LOAD SWITCHES

Spring return latching mechanism

M470/A
M470



Ordering data: Specify spring return from either left or right side for M470.

Spring return from both ends (Size S0–S2)

Spring from one end (Size S0 + S1)

The spring return up to 30° switching angle is operated through the latching mechanism. In case of very many contacts being lifted simultaneously or if the total receding angle is more than 30°, the switch is equipped with a spring return latching mechanism. The spring return from both ends can be designed latching positions to one side are feasible. (S1.M470 Mounting EF IP66/67)

Size	M (M470/A)	M (M470)	Shaft hole
S0	33,3	33,3	8–15
S0 (Switches of next larger size e.g. CH10B)	40,3	29,2	18,5
S1	33,3	22,2	18,5
S2	75		13–17

Uni-directional interlock

M400



(Size S0–S2 with 360° rotation)

The uni-directional interlock prevents the switch from being operated counterclockwise. The interlock can be designed either in all switch positions or in one particular position.

Ordering data:
Specify interlock position

Slip and ratchet clutch

M200

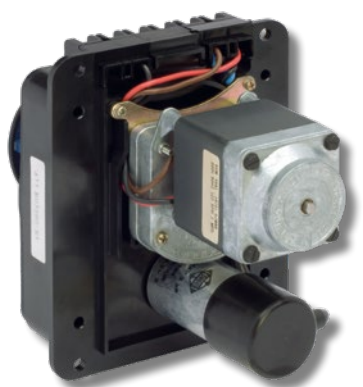


Slip clutch (Size S0 + S1)

The slip clutch allows to link two camshafts together, one master and one slave camshaft. The here slave camshaft is activated not until the master camshaft reaches a defined turning angle. This clutch i.e. enables the de-energized downshift of switches for pole-switchable motors. Not available for DH-Switches. The additional length is one cam.

Motor drive

R300



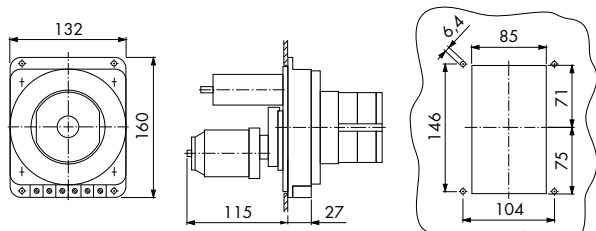
(Size S1 – S3)

The motor drive consists of an AC motor R300 with capacitor, transmission and maltese drive. With this, switches can be operated step by step. The motor can be delivered for operating voltages of 230V, 50Hz or 220V, 60 Hz. Please see separate Datasheet for Drivers.

Ambient temperature: 35 °C over 24 hours with peaks up to 40 °C

Horizontal motor axle

Notice: Motor Drive not UL certified



Optional extras

