

Cam switch, panel-mounted, SK100 P



Ordering code

SK 100 - \

Mounting

- P03 legend plate, black knob
- P04 yellow legend plate, red knob
- P07 with legend plate, black knob, lockable
- P08 yellow legend plate, red knob, lockable

Assembly number

- 1.825 Disconnecter 0-1 (1 - pole)
- 1.828 Disconnecter 0-1 (2 - pole)
- 2.8211 Disconnecter 0-1 (3 - pole)
- 2.8210 Disconnecter 0-1 (4 - pole)
- 3.8220 Disconnecter 0-1 (5 - pole)
- 3.8210 Disconnecter 0-1 (6 - pole)
- 4.8240 Disconnecter 0-1 (7 - pole)
- 4.824 Disconnecter 0-1 (8 - pole)
- 5.8220 Disconnecter 0-1 (9 - pole)
- 5.822 Disconnecter 0-1 (10 - pole)
- 6.8210 Disconnecter 0-1 (11 - pole)
- 6.821 Disconnecter 0-1 (12 - pole)
- 7.8220 Disconnecter 0-1 (13 - pole)
- 7.822 Disconnecter 0-1 (14 - pole)
- 3.8368 Reversing switch L-O-P
- 3.83139 2-speed switch
- 2 separate windings
- 4.8390 2-speed Dahlander switch
- 7.8538 2-speed reversing
- Dahlander switch
- 4.831 3-phase starting switch 0-Y-Δ
- 5.8538 3-phase starting
- reversing switch
- 6.4470 3-speed Dahlander switch
- single winding for low speed
- 6.4480 3-speed Dahlander switch
- single winding for medium speed
- 6.4490 3-speed Dahlander switch
- single winding for high speed
- 4.883 Voltmeter selector switch
- 2.4414 Rotary disconnecter 0-1
- 2.8445 Control switch 0-1-2-3
- 1.834 Disconnecter 1-0-2 (1 - pole)
- 2.8338 Disconnecter 1-0-2 (2 - pole)
- 3.8380 Disconnecter 1-0-2 (3 - pole)
- 4.8396 Disconnecter 1-0-2 (4 - pole)
- 5.8380 Disconnecter 1-0-2 (5 - pole)
- 6.8380 Disconnecter 1-0-2 (6 - pole)
- 7.8380 Disconnecter 1-0-2 (7 - pole)

Current

100 100 A

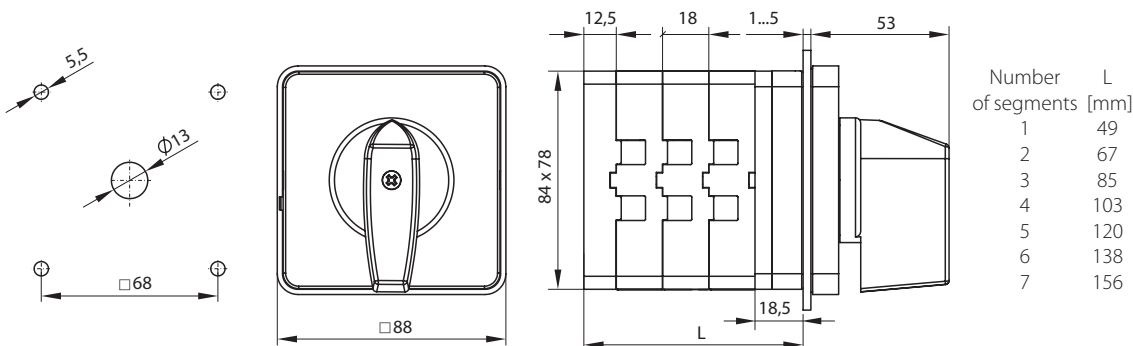
Components

Fronts of cam switches

Front I SK100-1406 for assemblies P... and BS...

Front III SK100-1409 for assemblies P... and BS... (padlockable)

Dimensions



Number of segments in the switch

1 ... 7

Technical data

Rated insulation voltage U_e	690 V
Rated withstand impulse voltage U_{imp}	6 kV
Rated continuous current I_u	100 A
Rated operational current I_c	100 A
Conventional rated thermal current in the air I_{th}	100 A
Conventional rated thermal current in the enclosure I_{the}	100 A
Frequency	50/60 Hz
Rated operational current I_e for AC-21A, AC-22A	100 A (230/400/500/690 V)
Rated operational power P_e for AC-23A	18 kW (230 V) 31 kW (400 V) 38 kW (500 V) 50 kW (690 V)
Rated operational power P_e for AC-3	18 kW (230 V) 25 kW (400 V) 30 kW (500 V) 38 kW (690 V)
Switching angle	45°-90°
Short-time short-circuit withstand current $I_{cw}(1s)$	1.7 kA
Rated short-circuit making current I_{cm}	2.5 kA
Wire gauge	16...35 mm ² (solid) 16...25 mm ² (stranded)
Panel mounting	□68
Screws in the terminals	M6
Tightening torque, wires (hold down)	4.4 Nm
Mechanical endurance	3.0 mln (transposition cycles)
Ambient temperature	-40 ... +70°C (work) -40 ... +70°C (storage)
Protection level: PN-EN 60529 to the panel	IP65
Protection level of OB enclosure	IP65
Protection level of the terminals	IP20
Pollution degree EN 60947-1	3
Protection class in OB housing	II
Vibration test (acc. to IEC 60068-2-6)	2...100 Hz (frequency) 13.2 Hz (frequency) ± 1 mm (acceleration amplitude) ±0.7 g (acceleration amplitude)
Shock test (acc. to IEC 60068-2-27)	15 g (peak acceleration) 11 ms (impulse duration)
Damp heat cyclic test (acc. to IEC 60068-2-30)	55°C (ambient temperature) 95% (relative humidity)
Salt mist cyclic test (acc. to IEC 60068-2-52)	severity 1