



Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K10
[I _{th}] conventional free air thermal current	10 A
Product mounting	Front mounting
Fixing mode	Ø 16 or 22 mm hole
Cam switch head type	With front plate 30 x 30 mm
Type of operator	Black handle
Rotary handle padlocking	Without
Presentation of legend	With metallic legend, 0 - 1 black marking
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	4P
Switching positions	Right: 0° - 60°
IP degree of protection	IP65 (operating head) conforming to IEC 60529 IP20 (contact block)

Complementary

Switching angle	60 °
[U _i] rated insulation voltage	440 V degree of pollution 3 conforming to IEC 60947-1
Rated operational power in W	750 W AC-23A / 220/240 V 1 phase 370 W AC-23A / 110/120 V 1 phase
Rated power in hp	0.75 hp AC at 220/240 V 1 phase 0.33 hp AC at 110/120 V 1 phase
[I _e] rated operational current AC	6 A at 120 V AC-15 3 A at 240 V AC-15 10 A at 400 V AC-21A 10 A at 400 V AC-1
[I _e] rated operational current DC	0.7 A at 110 V resistive load 0.3 A at 220 V resistive load 10 A at 24 V resistive load
Electrical durability	10000000 cycles
Short circuit protection	10 A by cartridge fuse, type gG
[U _{imp}] rated impulse withstand voltage	4 kV conforming to IEC 60947-1
Contacts operation	Slow-break
Electrical connection	Captive screw clamp terminals , 2 x 1.5 mm ²
Mechanical durability	1000000 cycles
CAD overall width	30 mm
CAD overall height	30 mm
CAD overall depth	88 mm
Product weight	0.045 kg

Environment

Standards	EN/IEC 60947-5-1 EN/IEC 60947-3 CENELEC EN 50013
Product certifications	CULus
Protective treatment	TC
Ambient air temperature for operation	-20...55 °C
Ambient air temperature for storage	-40...70 °C
Class of protection against electric shock	Class II conforming to IEC 60536

Cam Switch

Front Mounting by Ø16 mm/0.63 in. or Ø 22 mm/0.87 in. hole



- a 63 mm/2.48 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Cam Switch

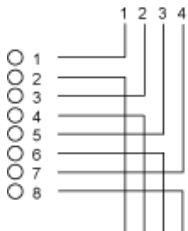
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



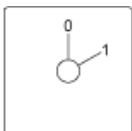
Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

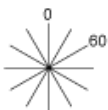
Select the number of poles according to the product characteristics.



Marking



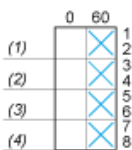
Angular Position of Switch



Switching Program

Diagram for 1 to 4-pole Switches

Select the number of poles according to the product characteristics.



- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole

Convention Used for Switching Program Representation

- ☒ Contact closed
- ☒ Contact closed in 2 positions and maintained between the 2 positions
- ☒ Sealed assembly for auto-maintain control
- ☒ Overlapping contacts

 Spring return position: for a switching angle of 90° , spring return is over 30° after the last position (for a maximum of 3 simultaneous contacts).

Example:

