



## Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K10
[Ith] 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	2P
Switching positions	Right: 0° - 60°
IP degree of protection	IP20 (contact block) IP65 (operating head) conforming to IEC 60529

## Complementary

Switching angle	60 °
[Ui] rated insulation voltage	440 V degree of pollution 3 conforming to IEC 60947-1
Rated operational power in W	370 W AC-23A/110/120 V 1 phase 750 W AC-23A/220/240 V 1 phase
Rated power in hp	0.33 hp AC at 110/120 V 1 phase 0.75 hp AC at 220/240 V 1 phase
[Ie] rated operational current AC	10 A at 400 V AC-1 10 A at 400 V AC-21A 3 A at 240 V AC-15 6 A at 120 V AC-15
[Ie] rated operational current DC	10 A at 24 V resistive load 0.3 A at 220 V resistive load 0.7 A at 110 V resistive load
Electrical durability	100000000 cycles
Short circuit protection	10 A by cartridge fuse, type gG
[Uimp] 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 <sup>2</sup>
Mechanical durability	1000000 cycles
CAD overall width	30 mm
CAD overall height	30 mm
CAD overall depth	76 mm
Product weight	0.035 kg

## Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 EN/IEC 60947-5-1
Product certifications	CULus
Protective treatment	TC
Ambient air temperature for operation	-20...55 °C

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Ambient air temperature for storage

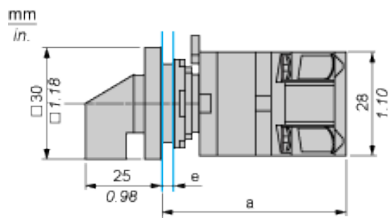
-40...70 °C

Class of protection against electric shock

Class II conforming to IEC 60536

### Cam Switch

Front Mounting by  $\varnothing 16$  mm/0.63 in. or  $\varnothing 22$  mm/0.87 in. hole

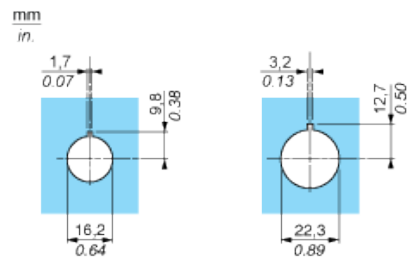


a 51 mm/2.01 in.

e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

### Cam Switch

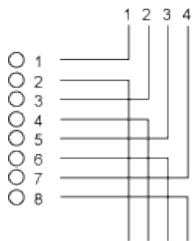
$\varnothing 16$  mm/0.63 in. and  $\varnothing 22$  mm/0.87 in. Panel Cut-outs



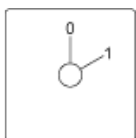
### Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

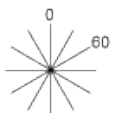
Select the number of poles according to the product characteristics.



### Marking



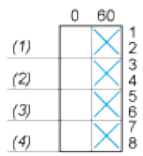
### Angular Position of Switch



### 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:

