



## 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	4P
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	750 W AC-23A / 220/240 V 1 phase 370 W AC-23A / 110/120 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
Contact 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	88 mm
Product weight	0.045 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

electrical shock protection class

Class II conforming to IEC 60536

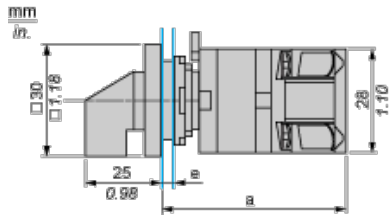
### Contractual warranty

Warranty period

18 months

### Cam Switch

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

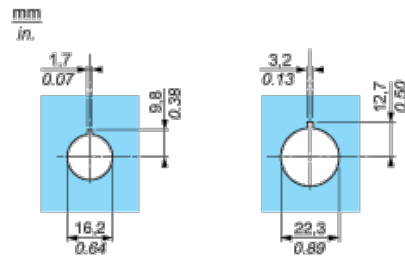


a 63 mm/2.48 in.

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

### Cam Switch

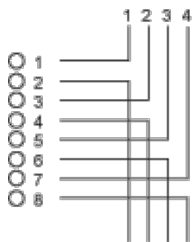
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



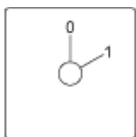
### Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

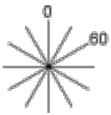
Select the number of poles according to the product characteristics.



### Marking



### Angular Position of Switch



## Switching Program

### Diagram for 1 to 4-pole Switches

Select the number of poles according to the product characteristics.

	0	60	
(1)		<input checked="" type="checkbox"/>	1
		<input checked="" type="checkbox"/>	2
(2)		<input checked="" type="checkbox"/>	3
		<input checked="" type="checkbox"/>	4
(3)		<input checked="" type="checkbox"/>	5
		<input checked="" type="checkbox"/>	6
(4)		<input checked="" type="checkbox"/>	7
		<input checked="" type="checkbox"/>	8

- (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:

