

# K10D012QCH

cam stepping switch - 2-pole - 60° - 10 A - for Ø 16 or 22 mm



## 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 - 2 black marking
Cam switch function	Stepping switch
Return	Without
Off position	With Off position
Poles description	2P
Switching positions	Right: 270° - 330° - 30°
IP degree of protection	IP20 (contact block) IP65 (operating head) conforming to IEC 60529

## Complementary

Number of steps	2
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

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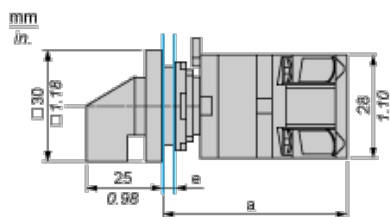
protective treatment	TC
ambient air temperature for operation	-20...55 °C
ambient air temperature for storage	-40...70 °C
electrical shock protection class	Class II conforming to IEC 60536

### Contractual warranty

Warranty period	18 months
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## Cam Switch

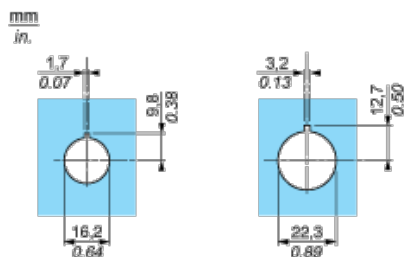
### Front Mounting by Ø16 mm/0.63 in. or Ø 22 mm/0.87 in. hole



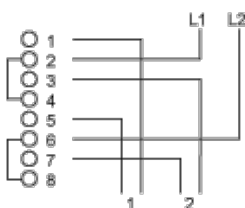
- a 63 mm/2.48 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

## Cam Switch

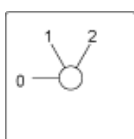
### Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



### Link Positions (Factory Mounted)



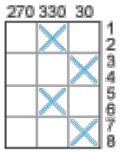
### Marking








### Angular Position of Switch



## Switching Program



## 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:

