



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, 1 - 0 - 2 black marking
Cam switch function	Changeover switch
Return	Spring return from 30° to 0° Spring return from 330° to 0°
Off position	With Off position
Poles description	1P
Switching positions	Left: 0° - 330° Right: 0° - 30°
IP degree of protection	IP20 (contact block) IP65 (operating head) conforming to IEC 60529

Complementary

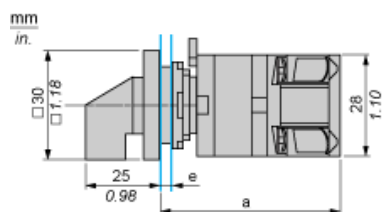
Switching angle	30 °
[U _i] rated insulation voltage	440 V, degree of pollution: 3 conforming to IEC 60947-1
Rated operational power in W	370 W AC-23A, 110/120 V 1 phase 750 W AC-23A, 220/240 V 1 phase
Rated power in hp	0.33 hp at 110/120 V AC, 1 phase 0.75 hp at 220/240 V AC, 1 phase
[I _e] rated operational 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
[I _e] 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
[U _{imp}] rated impulse withstand voltage	4 kV conforming to IEC 60947-1
Contacts operation	Slow-break
Electrical connection	Captive screw clamp terminals, clamping capacity: 2 x 1.5 mm²
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
Ambient air temperature for storage	-40...70 °C
Class of protection against electric shock	Class II conforming to IEC 60536
RoHS EUR status	Compliant
RoHS EUR conformity date	0627

Cam Switch

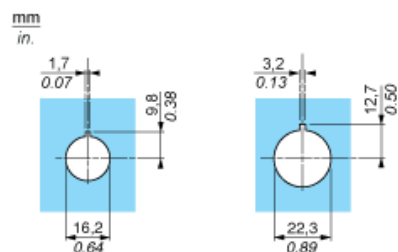
Front Mounting by Ø16 mm/0.63 in. or Ø 22 mm/0.87 in. hole



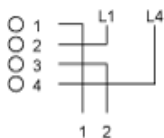
- a 51 mm/2.01 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Cam Switch

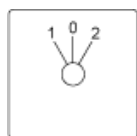
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



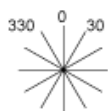
Link Positions (Factory Mounted)



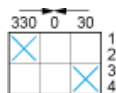
Marking



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:

