

Product data sheet

Specifications



Cam stepping switch, Harmony K, Ø16 or 22mm, plastic, 2 poles, position 0, 2 steps+position 0, 30°, 10A, 30x30mm, marked 0/1/2

K10D012QCH

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 - 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	Contact block: IP20 Operating head: IP65 conforming to IEC 60529

Complementary

Number of steps	2
Switching angle	60 °
[U _i] rated insulation voltage	440 V (pollution degree 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 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, clamping capacity: 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
Net 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
Ambient air temperature for storage	-40...70 °C
Electrical shock protection class	Class II conforming to IEC 60536

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	4.1 cm
Package 1 Length	10.5 cm
Package 1 Weight	62.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	65
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.721 kg

Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration

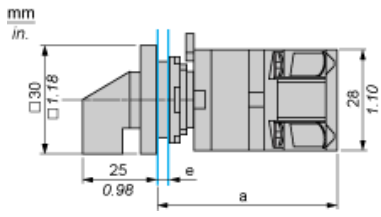
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty	18 months
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Cam Switch

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

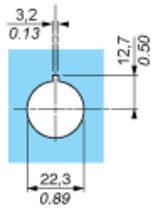
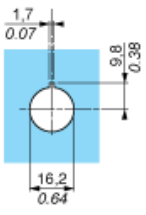


- a** 63 mm/2.48 in.
- e** support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

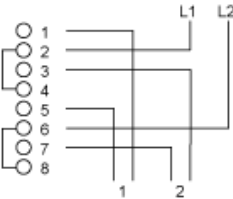
Cam Switch

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

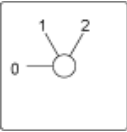
$\frac{\text{mm}}{\text{in.}}$



Link Positions (Factory Mounted)



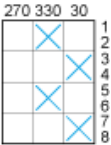
Marking



Angular Position of Switch



Switching Program



Convention Used for Switching Program Representation

Contact closed

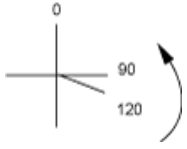
Contact closed in 2 positions and maintained between the 2 positions

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:



Recommended replacement(s)