

Complete cam switch, Harmony K1, K2, cam changeover switch, 16mm or 22mm, plastic, 3 poles, position 0, 60degrees, 10A, 30x30mm, marked 1 0 2

K10F003UCH

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, 1 - 0 - 2 black marking	
Cam switch function	Changeover switch	
Return	Without	
Off position	With Off position	
Poles description	3P	
Switching positions	Right: 0° - 60° Left: 0° - 300°	
IP degree of protection	Contact block: IP20 Operating head: IP65 conforming to IEC 60529	

Complementary

Switching angle	60 °	
[Ui] rated insulation voltage	440 V (pollution degree 3) conforming to IEC 60947-1	
Rated operational power in W	1800 W AC-23A, 220/240 V 3 phases	
	370 W AC-23A, 110/120 V 1 phase	
	750 W AC-23A, 220/240 V 1 phase	
Rated power in hp	1 hp at 220/240 V AC, 3 phases	
	0.33 hp at 110/120 V AC, 1 phase	
	0.75 hp at 110/120 V AC, 3 phases	
	0.75 hp at 220/240 V AC, 1 phase	
[le] 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	
[le] rated operational current DC	10 A at 24 V resistive load	
	0.3 A at 220 V resistive load	

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0.7 A at 110 V resistive load

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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	100 mm	
Product weight	0.055 kg	

Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 EN/IEC 60947-5-1	
Product certifications	CULus	
Protective treatment	тс	
Ambient air temperature for operation	-2055 °C	
Ambient air temperature for storage	-4070 °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	10.5 cm
Package 1 Width	4.1 cm
Package 1 Length	4.0 cm
Package 1 Weight	76.0 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	5.289 kg

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

Use Again

○ Repack and remanufacture	
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

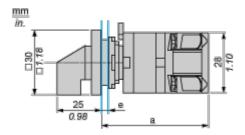
Product data sheet

K10F003UCH

Dimensions Drawings

Cam Switch

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



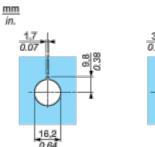
- a 75 mm/2.95 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

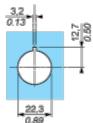
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Mounting and Clearance

Cam Switch

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





Product data sheet

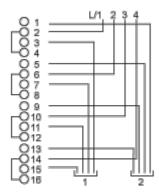
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Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

Select the number of poles according to the product characteristics.



Marking



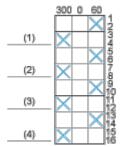
Angular Position of Switch



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

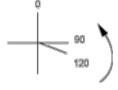
Sealed assembly for auto-maintain control

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:

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Image of product / Alternate images

Alternative













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