

# Product datasheet

Specifications



Harmony K1, K2, Cam changeover switch, 2 poles, with off position, 60° switching angle, 10 A, for Ø 16 or 22 mm

K10D002UCH

EAN Code: 3389110076653

## 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	2P
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 °
[U <sub>i</sub> ] 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
[I <sub>e</sub> ] 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 <sub>e</sub> ] 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 <sup>2</sup>
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	10.6 cm
Package 1 Width	4.0 cm
Package 1 Length	4.1 cm
Package 1 Weight	66.0 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	4.636 kg

## Logistical informations

Country of origin	AT
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## Contractual warranty

Warranty	18 months
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## Environmental Data

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 >](#)

### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## 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)

REACH Regulation

[REACH Declaration](#)

## Use Again

### Repack and remanufacture


End of life manual availability

No need of specific recycling operations

Take-back

No

WEEE Label

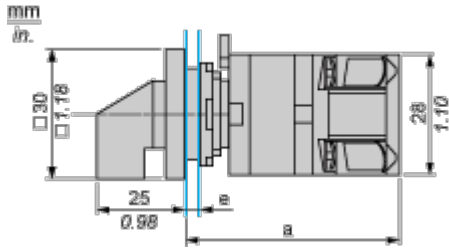
 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Cam Switch

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



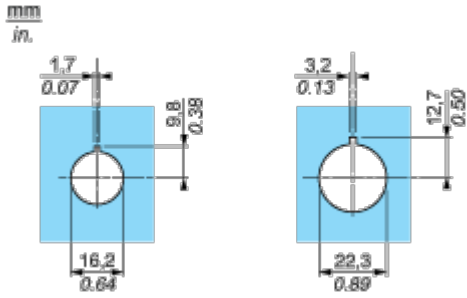
- a 63 mm/2.48 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Mounting and Clearance

Cam Switch

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



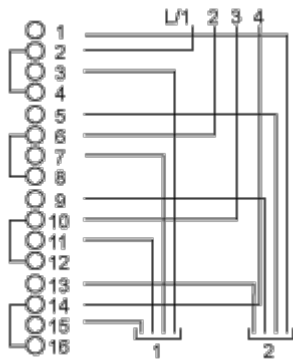
Technical Description

**Link Positions (Factory Mounted)**

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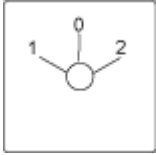
**Diagram for 1 to 4-pole Switches**

Select the number of poles according to the product characteristics.



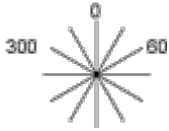
Marking

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Angular Position of Switch

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**Switching Program**

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**Diagram for 1 to 4-pole Switches**

Select the number of poles according to the product characteristics.

	300	0	60	
(1)	X		X	1
(2)	X		X	2
(3)	X		X	3
(4)	X		X	4

- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole

**Convention Used for Switching Program Representation**

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Contact closed



Contact closed in 2 positions and maintained between the 2 positions



Sealed assembly for auto-maintain control

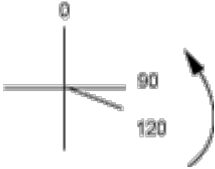


Overlapping contacts



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:



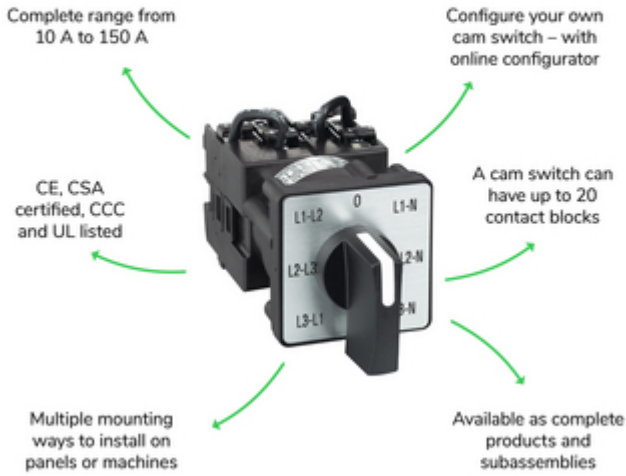
Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

Harmony K Cam switches



Offer Marketing Illustration

Product benefits / Features

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### Features

#### Harmony K Cam switches



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Modular design combining flexibility and adaptability
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Wide range of solutions for a majority of industrial applications
- 

Simple design for easy installation
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Wide choice of plastic and metal heads
- 

Compatible with standard 16mm and 22mm diameter cutout
- 

The most complete Cam Switches range available globally

Image of product / Alternate images

Alternative

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