

# Product datasheet

Specifications



Harmony K1, K2, Cam switch, 1 pole, with off position, 60° switching angle, 10 A, for Ø 16 or 22 mm

K10A001ACH

Price: 627.65 ZAR

## 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 black marking                           |
| Cam Switch Function                         | Switch                                                              |
| Return                                      | Without                                                             |
| Off Position                                | With Off position                                                   |
| Poles Description                           | 1P                                                                  |
| Switching Positions                         | Right: 0° - 60°                                                     |
| Ip Degree Of Protection                     | Contact block: IP20<br>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           | 370 W AC-23A, 110/120 V 1 phase<br>750 W AC-23A, 220/240 V 1 phase                            |
| Rated Power In Hp                      | 0.33 hp at 110/120 V AC, 1 phase<br>0.75 hp at 220/240 V AC, 1 phase                          |
| [Ie] Rated Operational Current Ac      | 10 A at 400 V AC-1<br>10 A at 400 V AC-21A<br>3 A at 240 V AC-15<br>6 A at 120 V AC-15        |
| [Ie] Rated Operational Current Dc      | 10 A at 24 V resistive load<br>0.3 A at 220 V resistive load<br>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                                                                |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

|                       |                                                               |
|-----------------------|---------------------------------------------------------------|
| Contact 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                                                         |
| Net Weight            | 0.03 kg                                                       |

## Environment

|                                       |                                                  |
|---------------------------------------|--------------------------------------------------|
| Standards                             | CENELEC EN 50013<br>IEC 60947-3<br>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             | 4.1 cm  |
| Package 1 Width              | 4.1 cm  |
| Package 1 Length             | 10.5 cm |
| Package 1 Weight             | 53.0 g  |
| Unit Type Of Package 2       | S02     |
| Number Of Units In Package 2 | 80      |
| Package 2 Height             | 15.0 cm |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 4.53 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

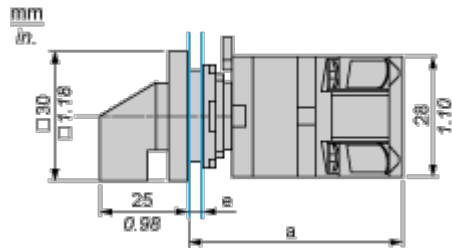
## Well-being performance

|                       |                                                                                                                             |     |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|-----|
| ✓                     | Reach Free Of Svhc                                                                                                          |     |
| ✓                     | Toxic Heavy Metal Free                                                                                                      |     |
| ✓                     | Mercury Free                                                                                                                |     |
| ✓                     | Rohs Exemption Information                                                                                                  | Yes |
|                       |                                                                                                                             |     |
| Reach Regulation      | REACH Declaration                                                                                                           |     |
| Eu Rohs Directive     | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration                                           |     |
| China Rohs Regulation | China RoHS declaration                                                                                                      |     |
| Weee                  | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |     |

Dimensions Drawings

Cam Switch

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

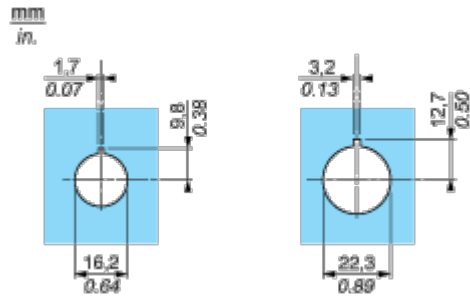


- a 51 mm/2.01 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Mounting and Clearance

Cam Switch

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

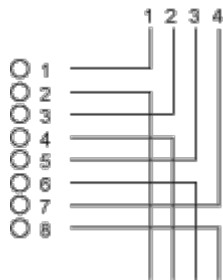


Technical Description

Link Positions (Factory Mounted)

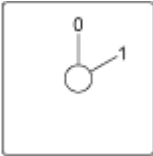
Diagram for 1 to 4-pole Switches

Select the number of poles according to the product characteristics.



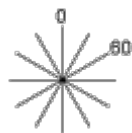
Marking

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Angular Position of Switch

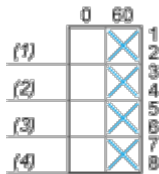
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Switching Program

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:

