

K10F003UCH

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



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, 1 - 0 - 2 black |
| 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 ° |
| [U _i] rated insulation voltage | 440 V 3)IEC 60947-1 |
| Rated operational power in W | 1800 W AC-23A, 220/240 V 3 phase 370 W AC-23A, 110/120 V 1 phase 750 W AC-23A, 220/240 V 1 phase |
| Rated power in hp | 1 Hp 220/240 V AC, 3 phase 0.33 Hp 110/120 V AC, 1 phase 0.75 Hp 110/120 V AC, 3 phase 0.75 hp 220/240 V AC, 1 phase |
| [I _e] rated operational current AC | 10 A 400 V AC-1 10 A 400 V AC-21A 3 A 240 V AC-15 6 A 120 V AC-15 |
| [I _e] rated operational current DC | 10 A 24 V resistive 0.3 A 220 V resistive 0.7 A 110 V resistive |
| Electrical durability | 10000000 cycles |
| Short-circuit protection | 10 A cartridge fuse gG |
| [U _{imp}] rated impulse withstand voltage | 4 kV IEC 60947-1 |
| Contact operation | Slow-break |
| Electrical connection | Captive screw clamp terminals 2 x 1.5 mm ² |
| Mechanical durability | 1000000 cycles |
| CAD overall width | 1.18 in (30 mm) |
| CAD overall height | 1.18 in (30 mm) |
| CAD overall depth | 3.94 in (100 mm) |
| Net Weight | 0.12 lb(US) (0.055 kg) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 | -4...131 °F (-20...55 °C) |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Electrical shock protection class | Class II IEC 60536 |

Ordering and shipping details

| | |
|-------------------|---------------------------|
| Category | 21446-9003 K CAM SWITCHES |
| Discount Schedule | CS1 |
| GTIN | 3389110076677 |
| Returnability | No |
| Country of origin | AT |

Packing Units

| | |
|------------------------------|-------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.13 in (10.5 cm) |
| Package 1 Width | 1.61 in (4.1 cm) |
| Package 1 Length | 1.57 in (4.0 cm) |
| Package 1 Weight | 2.68 oz (76.0 g) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 65 |
| Package 2 Height | 5.91 in (15.0 cm) |
| Package 2 Width | 11.81 in (30.0 cm) |
| Package 2 Length | 15.75 in (40.0 cm) |
| Package 2 Weight | 11.66 lb(US) (5.289 kg) |

Offer Sustainability

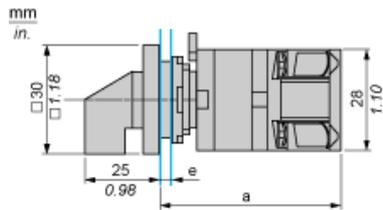
| | |
|----------------------------|--|
| California proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| 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. |

Contractual warranty

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

Cam Switch

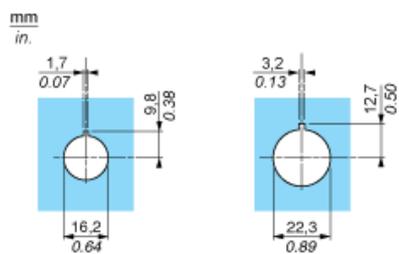
Front Mounting by $\varnothing 16$ mm/0.63 in. or $\varnothing 22$ mm/0.87 in. hole



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

Cam Switch

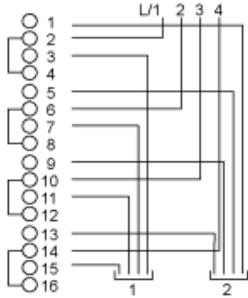
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



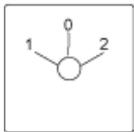
Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

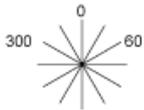
Select the number of poles according to the product characteristics.



Marking



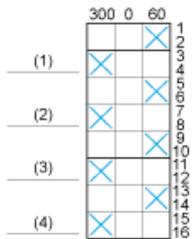
Angular Position of Switch



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:

