



### 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 - 2 - 3 - 4 black marking                     |
| Cam switch function                         | Stepping switch   |
| Return                                      | Without   |
| Off position                                | Without Off position  |
| Poles description                           | 1P  |
| Switching positions                         | Right: 270° - 330° - 30° - 90°  |
| IP degree of protection                     | IP20 (contact block)<br>IP65 (operating head) conforming to IEC 60529 |

### Complementary

|                                   |   |
|-----------------------------------|---|
| Number of steps                   | 4   |
| Switching angle                   | 60 °  |
| [Ui] rated insulation voltage     | 440 V degree of pollution 3 conforming to IEC 60947-1   |
| Rated operational power in W      | 750 W AC-23A / 220/240 V 1 phase<br>370 W AC-23A / 110/120 V 1 phase                          |
| Rated power in hp                 | 0.33 hp AC at 110/120 V 1 phase<br>0.75 hp AC at 220/240 V 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 by 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 , 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   |
| Product weight                         | 0.045 kg  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | CENELEC EN 50013<br>EN/IEC 60947-3<br>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                       |

## Contractual warranty

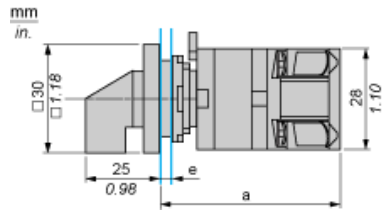
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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Cam Switch

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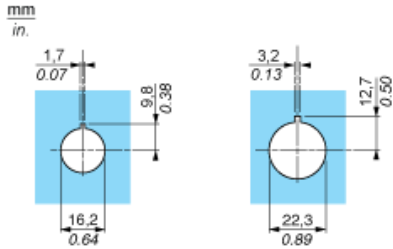
Front Mounting by  $\varnothing 16$  mm/0.63 in. or  $\varnothing 22$  mm/0.87 in. hole



- 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

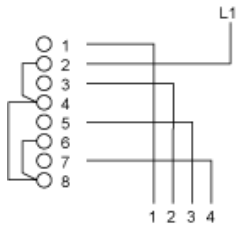
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



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Link Positions (Factory Mounted)

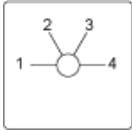
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Marking

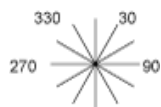
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Angular Position of Switch

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Switching Program

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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:

