



Main

| | |
|--|---|
| Commercial Status | Commercialised |
| 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 legend, 0 - L1L2 - L2L3 - L3L1 black marking |
| Cam switch function | Voltmeter switch |
| Return | Without |
| Type of measurement | Between 3 phases |
| Off position | With Off position |
| Switching positions | Right: 270° - 315° - 0° - 45° |
| IP degree of protection | IP65 (operating head) conforming to IEC 60529 IP20 (contact block) |

Complementary

| | |
|---|---|
| Switching angle | 45° |
| [U _i] 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 370 W AC-23A / 110/120 V 1 phase 1800 W AC-23A / 220/240 V 3 phases |
| Rated power in hp | 0.75 hp AC at 220/240 V 1 phase 0.75 hp AC at 110/120 V 3 phases 0.33 hp AC at 110/120 V 1 phase 1 hp AC at 220/240 V 3 phases |
| [I _e] rated operational current AC | 6 A at 120 V AC-15 3 A at 240 V AC-15 10 A at 400 V AC-21A 10 A at 400 V AC-1 |
| [I _e] rated operational current DC | 0.7 A at 110 V resistive load 0.3 A at 220 V resistive load 10 A at 24 V resistive load |
| Electrical durability | 100000000 cycles |
| Short circuit protection | 10 A by cartridge fuse, type gG |
| [U _{imp}] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1 |
| Contacts operation | Slow-break |
| Electrical connection | Captive screw clamp terminals , 2 x 1.5 mm ² |
| 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 | EN/IEC 60947-5-1 EN/IEC 60947-3 CENELEC EN 50013 |
| Product certifications | CULus |
| Protective treatment | TC |
| Ambient air temperature for operation | -20...55 °C |
| Ambient air temperature for storage | -40...70 °C |
| Class of protection against electric shock | Class II conforming to IEC 60536 |

Cam Switch

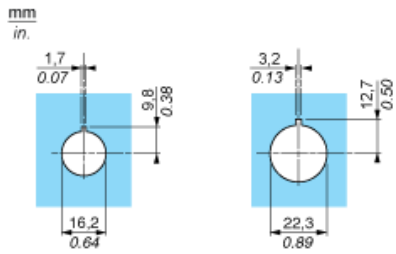
Front Mounting by $\varnothing 16$ mm/0.63 in. or $\varnothing 22$ mm/0.87 in. hole



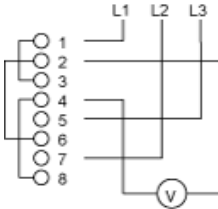
- a 63 mm/2.48 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Cam Switch

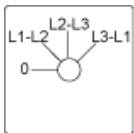
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



Link Positions (Factory Mounted)



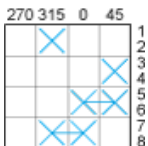
Marking



Angular Position of Switch



Switching Program



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:

