



## Main

|   |                               |
|---|-------------------------------|
| Range of product                            | Harmony K                     |
| Product or component type                   | Cam switch body               |
| Component name                              | K2                            |
| [Ith] conventional free air thermal current | 20 A                          |
| Sub-assembly composition                    | Contact blocks + fixing plate |
| Cam switch function                         | Switch                        |
| Off position                                | With Off position             |
| Poles description                           | 2P                            |
| Switching positions                         | Right: 0° - 45°               |
| Mounting location                           | Front                         |
| Fixing mode                                 | Ø 22 mm hole                  |
| Bezel material                              | Plastic                       |

## Complementary

|  |   |
|--|---|
| Switching angle                              | 45 °  |
| [Ui] rated insulation voltage                | 690 V degree of pollution 3 conforming to IEC 60947-1   |
| [Ithe] conventional enclosed thermal current | 16 A  |
| Rated operational power in W                 | 4000 W AC-3 / 690 V 3 phases conforming to IEC 947-3<br>14000 W AC-21 / 400 V 3 phases conforming to IEC 947-3<br>4000 W AC-3 / 500 V 3 phases conforming to IEC 947-3<br>2200 W AC-3 / 230 V 3 phases conforming to IEC 947-3<br>5500 W AC-23A / 400 V 3 phases conforming to IEC 947-3<br>5500 W AC-23A / 690 V 3 phases conforming to IEC 947-3<br>4000 W AC-23A / 230 V 3 phases conforming to IEC 947-3<br>8000 W AC-21 / 230 V 3 phases conforming to IEC 947-3<br>4000 W AC-3 / 400 V 3 phases conforming to IEC 947-3<br>17000 W AC-21 / 500 - 660 V 3 phases conforming to IEC 947-3<br>2200 W AC-3 / 400 V 1 phase conforming to IEC 947-3<br>5500 W AC-23A / 500 V 3 phases conforming to IEC 947-3<br>1300 W AC-3 / 230 V 1 phase conforming to IEC 947-3 |
| [Ie] rated operational current AC            | 2 A at 500 V AC-15 conforming to IEC 947-5-1<br>3 A at 400 V AC-15 conforming to IEC 947-5-1<br>4 A at 230 V AC-15 conforming to IEC 947-5-1<br>8 A at 400 V AC-3 3 phases conforming to IEC 947-3<br>10.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3<br>14.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3<br>4.7 A at 690 V AC-3 3 phases conforming to IEC 947-3<br>6.4 A at 690 V AC-23A 3 phases conforming to IEC 947-3<br>6.5 A at 500 V AC-3 3 phases conforming to IEC 947-3<br>8.3 A at 230 V AC-3 3 phases conforming to IEC 947-3<br>8.9 A at 500 V AC-23A 3 phases conforming to IEC 947-3  |
| Electrical durability                        | 200000 cycles AC-23<br>200000 cycles AC-3<br>600000 cycles AC-15<br>600000 cycles AC-21   |
| Operating rate                               | 2.5 cyc/mn AC-21<br>2.5 cyc/mn AC-23<br>2.5 cyc/mn AC-3<br>8.333 cyc/mn AC-15   |
| Short-circuit current                        | 10000 A   |
| Short-circuit protection                     | 20 A by cartridge fuse, type gG   |
| [Uimp] rated impulse withstand voltage       | 4 kV in isolating function<br>6 kV conforming to IEC 947-1  |
| Contact operation                            | Slow-break  |
| Positive opening                             | With  |
| Electrical connection                        | Captive screw clamp terminals flexible, 2 x 1.5 mm <sup>2</sup><br>Captive screw clamp terminals solid, 1 x 2.5 mm <sup>2</sup>   |

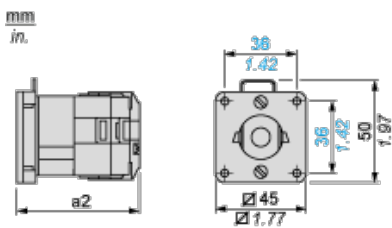
|                       |                |
|-----------------------|----------------|
| Mechanical durability | 1000000 cycles |
| Product weight        | 0.085 kg       |

## Environment

|                                       |  |
|---------------------------------------|--|
| standards                             | GENELEC EN 50013<br>EN 60947-3 for power circuit<br>EN 60947-5-1 for control circuit<br>IEC 60947-3 for power circuit<br>IEC 60947-5-1 for control circuit |
| product certifications                | CSA 240 V 1 hp 1 phase<br>CSA 240 V 3 hp 3 phases 2 -pole(s)<br>UL 240 V 1 hp 3 phases<br>UL 240 V 0.33 hp 1 phase 2 -pole(s)                              |
| protective treatment                  | TC   |
| ambient air temperature for operation | -25...55 °C  |
| ambient air temperature for storage   | -40...70 °C  |
| shock resistance                      | 30 gn conforming to IEC 68-2-27  |
| vibration resistance                  | 5 gn, 10...150 Hz conforming to IEC 68-2-6   |
| overvoltage category                  | Class II conforming to IEC 536<br>Class II conforming to NF C 20-030   |

## Body with Plastic Base

### Front Mounting by Ø 22 mm/0.87 in. Hole

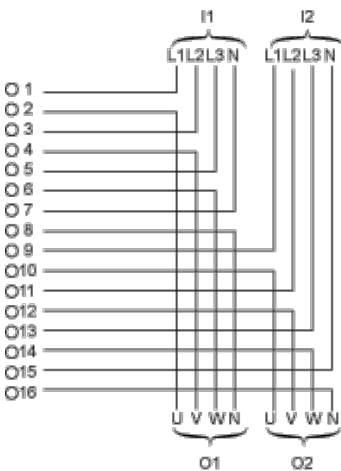


a2 49 mm/1.93 in.

## Link Positions (Factory Mounted)

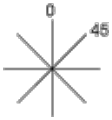
### Diagram for 1 to 8-pole Switches

Select the number of poles according to the product characteristics.



- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

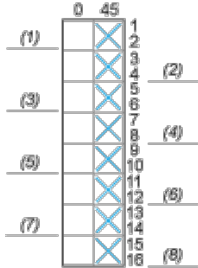
## Angular Position of Switch



## Switching Program

### Diagram for 1 to 8-pole Switches

Select the number of poles according to the product characteristics.



- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole
- (5) 5-pole
- (6) 6-pole
- (7) 7-pole
- (8) 8-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:

