



### Main

|   |  |
|---|--|
| Range of product                            | Harmony K  |
| Product or component type                   | Complete cam switch  |
| Component name                              | K2   |
| [Ith] conventional free air thermal current | 20 A   |
| Product mounting                            | Front mounting   |
| Fixing mode                                 | Ø 22 mm hole   |
| Cam switch head type                        | With front plate 45 x 45 mm                                  |
| Type of operator                            | Black handle, length = 35 mm                                 |
| 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                           | 6P   |
| Switching positions                         | Right: 0° - 45°  |
| IP degree of protection                     | IP65 conforming to NF C 20-010<br>IP65 conforming to IEC 529 |

### 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  |
| Electrical durability                        | 600000 cycles AC-21<br>600000 cycles AC-15<br>200000 cycles AC-3<br>200000 cycles AC-23   |
| Operating rate                               | 8.333 cyc/mn AC-15<br>2.5 cyc/mn AC-3<br>2.5 cyc/mn AC-23<br>2.5 cyc/mn AC-21   |
| Short-circuit current                        | 10000 A   |
| Short circuit protection                     | 20 A by cartridge fuse, type gG   |
| [Uimp] rated impulse withstand voltage       | 6 kV conforming to IEC 947-1<br>4 kV in isolating function  |
| Contacts operation                           | Slow-break  |
| Positive opening                             | With  |
| Electrical connection                        | Captive screw clamp terminals solid, 1 x 2.5 mm <sup>2</sup><br>Captive screw clamp terminals flexible, 2 x 1.5 mm <sup>2</sup> |
| Mechanical durability                        | 1000000 cycles  |
| CAD overall width                            | 45 mm   |
| CAD overall height                           | 50 mm   |
| CAD overall depth                            | 69 mm   |
| Product weight                               | 0.188 kg  |

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## Environment

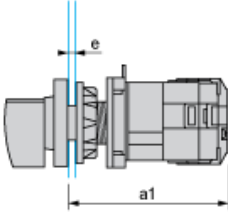
|  |   |
|--|---|
| Standards                                  | EN/IEC 60947-5-1 for control circuit<br>EN/IEC 60947-3 for power circuit<br>CENELEC EN 50013                                  |
| Product certifications                     | UL 240 V 0.33 hp 1 phase 2 -pole(s)<br>UL 240 V 1 hp 3 phases<br>CSA 240 V 3 hp 3 phases 2 -pole(s)<br>CSA 240 V 1 hp 1 phase |
| 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  |
| Class of protection against electric shock | Class II conforming to NF C 20-030<br>Class II conforming to IEC 536  |

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Operating Head and Body with Plastic Base

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Front Mounting by  $\varnothing$  22 mm/0.87 in. Hole



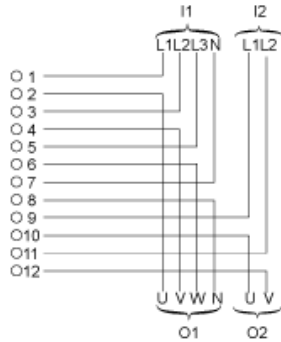
a1 90.5 mm/3.53 in.

e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Link Positions (Factory Mounted)

Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.

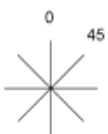


- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

Marking



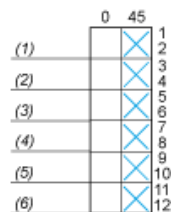
Angular Position of Switch



Switching Program

Diagram for 1 to 6-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


## 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  $90^\circ$ , spring return is over  $30^\circ$  after the last position (for a maximum of 3 simultaneous contacts).

Example:

