

Product datasheet

Specifications



Complete cam switch, Harmony K1, K2, cam changeover switch, front mounting, plastic, 4 poles, position 0, 60degrees, 63A, 64x64mm, marked 1 0 2

K63H004UP

Main

| | |
|---|---|
| Range Of Product | Harmony K |
| Product Or Component Type | Complete cam switch |
| Component Name | K63 |
| [Ith] Conventional Free Air Thermal Current | 63 A |
| Mounting Location | Front |
| Fixing Mode | 4 holes |
| Cam Switch Head Type | With front plate 64 x 64 mm |
| Type Of Operator | Black handle |
| Rotary Handle Padlocking | Without |
| Presentation Of Legend | With metallic legend, 1 - 0 - 2 black marking |
| Cam Switch Function | Changeover switch |
| Return | Without |
| Off Position | With Off position |
| Poles Description | 4P |
| Switching Positions | Left: 0° - 300° Right: 0° - 60° |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |

Complementary

| | |
|--|---|
| Switching Angle | 60 ° |
| [Ui] Rated Insulation Voltage | 690 V (pollution degree 3) conforming to IEC 60947-1 |
| Short-Circuit Current | 10000 A |
| Short-Circuit Protection | 80 A cartridge fuse, type gG |
| [Uimp] Rated Impulse Withstand Voltage | 6 kV conforming to EN 947-1 6 kV conforming to IEC 947-1 |
| Contact Operation | Slow-break |
| Positive Opening | With |
| Electrical Connection | Captive screw clamp terminals flexible, clamping capacity: 2 x 10 mm² Captive screw clamp terminals solid, clamping capacity: 2 x 16 mm² |
| Tightening Torque | 2.5 N.m |

Disclaimer: 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

| | |
|--------------------------|---|
| Switching Capacity In Ma | 20000 mA DC at 140 V 3 contact(s) for inductive load (T = 50 ms) 20000 mA DC at 48 V 1 contact(s) for inductive load (T = 50 ms) 20000 mA DC at 95 V 2 contact(s) for inductive load (T = 50 ms) 30000 mA DC at 120 V 2 contact(s) for resistive load (T = 1 ms) 30000 mA DC at 180 V 3 contact(s) for resistive load (T = 1 ms) 30000 mA DC at 60 V 1 contact(s) for resistive load (T = 1 ms) 55000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms) 55000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms) 55000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms) |
| Mechanical Durability | 300000 cycles |
| Cad Overall Width | 64 mm |
| Cad Overall Height | 64 mm |
| Cad Overall Depth | 154 mm |
| Net Weight | 0.68 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | IEC 60947-3 |
| Product Certifications | CULus 120 V 3 hp 1 phase CULus 480 V 25 hp 3 phases CULus 240 V 7.5 hp 1 phase CULus 240 V 10 hp 3 phases |
| Protective Treatment | TC |
| Ambient Air Temperature For Operation | -25...55 °C |
| Ambient Air Temperature For Storage | -40...70 °C |
| Overvoltage Category | Class II conforming to IEC 60536 Class II conforming to NF C 20-030 |

Packing Units

| | |
|------------------------------|-----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 16.0 cm |
| Package 1 Width | 7.4 cm |
| Package 1 Length | 7.4 cm |
| Package 1 Weight | 607.0 g |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 20 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 12.685 kg |

Contractual warranty

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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

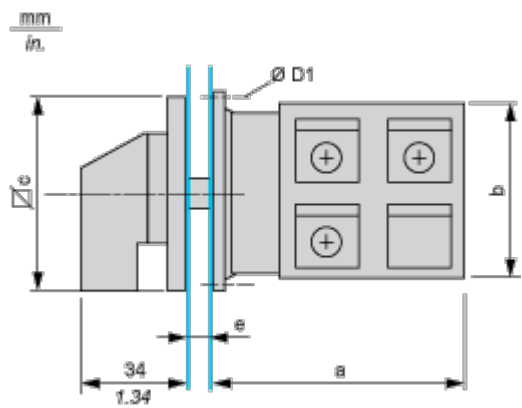
Well-being performance

| | | |
|-----------------------|---|-----|
| ✓ | Reach Free Of Svhc | |
| ✓ | Toxic Heavy Metal Free | |
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| | | |
| Reach Regulation | REACH Declaration | |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration | |
| China Rohs Regulation | China RoHS declaration | |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | |

Dimensions Drawings

Dimensions

Front Mounting



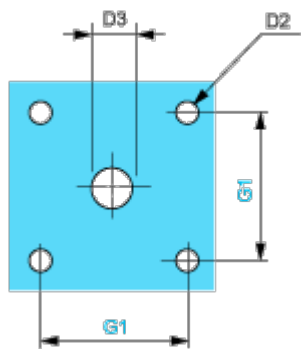
e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

| a | | b | | c | | D1 | |
|-------|------|----|------|----|------|-----|------|
| mm | in. | mm | in. | mm | in. | mm | in. |
| 114.3 | 4.50 | 66 | 2.60 | 64 | 2.52 | 5.4 | 0.21 |

Mounting and Clearance

Panel Cut-Out

Front Mounting



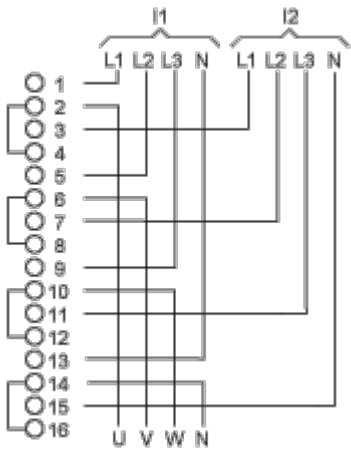
| D2 | | D3 | | G1 | |
|-----|------|----|------|----|------|
| mm | in. | mm | in. | mm | in. |
| 4.5 | 0.18 | 10 | 0.39 | 48 | 1.89 |

Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

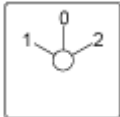
Select the number of poles according to the product characteristics



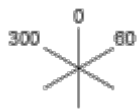
I1 Input 1

I2 Input 2

Marking



Angular Position of Switch



Switching Program

| | 300 | 0 | 60 |
|-----|-----|---|----|
| (1) | X | | X |
| (2) | X | | X |
| (3) | X | | X |
| (4) | X | | X |

- (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:

