

## K50H014UP

Cam changeover switch, Harmony K, front mounting, plastic, 4 poles, 30 degree, 50A, 64x64mm, marked 1/2

### Main

|                                                          |                                           |
|----------------------------------------------------------|-------------------------------------------|
| Range of product                                         | Harmony K                                 |
| Product or component type                                | Complete cam switch                       |
| Component name                                           | K50                                       |
| [I <sub>th</sub> ] conventional free air thermal current | 50 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 - 2 black marking |
| Cam switch function                                      | Changeover switch                         |
| Return                                                   | Without                                   |
| Off position                                             | Without Off position                      |
| Poles description                                        | 4P                                        |
| Switching positions                                      | Right: 30°<br>Left: 330°                  |
| IP degree of protection                                  | IP40 conforming to IEC 60529              |

### Complementary

|                                                     |                                                                                                                                                                    |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching angle                                     | 30 °                                                                                                                                                               |
| [U <sub>i</sub> ] rated insulation voltage          | 690 V (pollution degree 3) conforming to IEC 60947-1                                                                                                               |
| Short-circuit current                               | 5000 A                                                                                                                                                             |
| Short-circuit protection                            | 63 A cartridge fuse, type gG                                                                                                                                       |
| [U <sub>imp</sub> ] rated impulse withstand voltage | 6 kV conforming to EN 947-1<br>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 6 mm <sup>2</sup><br>Captive screw clamp terminals solid, clamping capacity: 2 x 10 mm <sup>2</sup> |
| Tightening torque                                   | 2 N.m                                                                                                                                                              |

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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching capacity in mA | 15000 mA DC at 120 V 2 contact(s) for inductive load (T = 50 ms)<br>15000 mA DC at 180 V 3 contact(s) for inductive load (T = 50 ms)<br>15000 mA DC at 60 V 1 contact(s) for inductive load (T = 50 ms)<br>20000 mA DC at 140 V 3 contact(s) for inductive load (T = 50 ms)<br>20000 mA DC at 48 V 1 contact(s) for inductive load (T = 50 ms)<br>20000 mA DC at 95 V 2 contact(s) for inductive load (T = 50 ms)<br>30000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms)<br>30000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms)<br>30000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms)<br>3500 mA DC at 110 V 1 contact(s) for inductive load (T = 50 ms)<br>3500 mA DC at 220 V 2 contact(s) for inductive load (T = 50 ms)<br>3500 mA DC at 330 V 3 contact(s) for inductive load (T = 50 ms)<br>37000 mA DC at 120 V 2 contact(s) for resistive load (T = 1 ms)<br>37000 mA DC at 180 V 3 contact(s) for resistive load (T = 1 ms)<br>37000 mA DC at 60 V 1 contact(s) for resistive load (T = 1 ms)<br>40000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms)<br>40000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms)<br>40000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms)<br>40000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms)<br>40000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms)<br>40000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms)<br>50000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms)<br>50000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms)<br>50000 mA DC at 70 V 3 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        | 138 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Net weight               | 0.61 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3                                                                                                         |
| Product certifications                | CULus 120 V 3 hp 1 phase<br>CULus 480 V 25 hp 3 phases<br>CULus 240 V 7.5 hp 1 phase<br>CULus 240 V 7.5 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<br>Class II conforming to NF C 20-030                                              |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| REACH free of SVHC         | Yes                                                                                                                                                                                  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                  |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  Yes                                                                                              |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                           |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins                                                          |