

## K2F003ULH

Cam changeover switch, Harmony K, multifixing, plastic, 3 poles, position 0, 45°, 20A, 45x45mm, metallic legend, marked 2/0/1, 35mm black handle



### 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                                 | Multifixing                                   |
| 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, 2 - 0 - 1 black marking |
| Cam switch function                         | Changeover switch                             |
| Return                                      | Without                                       |
| Off position                                | With Off position                             |
| Poles description                           | 3P                                            |
| Switching positions                         | Right: 0° - 45°<br>Left: 0° - 315°            |
| IP degree of protection                     | IP40 conforming to IEC 60529                  |

### Complementary

|                                              |                                                                                                                                                                       |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching angle                              | 45 °                                                                                                                                                                  |
| [Ui] rated insulation voltage                | 690 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                  |
| [Ithe] conventional enclosed thermal current | 16 A                                                                                                                                                                  |
| Electrical durability                        | 200000 Cycles AC-23<br>200000 Cycles AC-3<br>600000 Cycles AC-15<br>600000 cycles AC-21                                                                               |
| Maximum 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 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, clamping capacity: 2 x 1.5 mm <sup>2</sup><br>Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm <sup>2</sup> |
| Mechanical durability                        | 1000000 cycles                                                                                                                                                        |
| CAD overall width                            | 45 mm                                                                                                                                                                 |
| CAD overall height                           | 45 mm                                                                                                                                                                 |
| CAD overall depth                            | 97 mm                                                                                                                                                                 |
| Net weight                                   | 0.17 kg                                                                                                                                                               |

## Environment

|                                       |                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 60947-3 for power circuit<br>IEC 60947-5-1 for control circuit<br>CENELEC EN 50013                                                      |
| Product certifications                | CSA 240 V 3 hp 3 phases 2 pole(s)[RETURN]UL 240 V 0.33 hp 1 phase 2 pole(s)<br>[RETURN]CSA 240 V 1 hp 1 phase[RETURN]UL 240 V 1 hp 3 phases |
| 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 conforming to IEC 68-2-6 (f = 10...150 Hz)                                                                                             |
| Electrical shock protection class     | Class II conforming to IEC 536<br>Class II                                                                                                  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 6.500 cm  |
| Package 1 Width              | 6.500 cm  |
| Package 1 Length             | 11.000 cm |
| Package 1 Weight             | 177.300 g |
| Unit Type of Package 2       | S01       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 15.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 1.904 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 320       |
| Package 3 Height             | 75.000 cm |
| Package 3 Width              | 80.000 cm |
| Package 3 Length             | 60.000 cm |
| Package 3 Weight             | 68.931 kg |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| 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                                                                                                                                                                                  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                           |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        | No need of specific recycling operations                                                                                                                                             |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins                                                          |

## Contractual warranty

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