

# Product data sheet

Specifications

## body for multi-circuit switch - 2-pole - 45° - 20 A - rear mounting



K2D502S

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

### 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                         | Multi-circuit switch          |
| Off Position                                | With Off position             |
| Poles Description                           | 2P                            |
| Switching Positions                         | Right: 0° - 45° - 90° - 135°  |
| Product Mounting                            | Rear mounting                 |
| Fixing Mode                                 | 4 holes                       |
| Bezel Material                              | Plastic                       |

### Complementary

|                                                           |                     |
|-----------------------------------------------------------|---------------------|
| Switching Angle                                           | 45 °                |
| [U <sub>i</sub> ] Rated Insulation Voltage                | 690 V 3)IEC 60947-1 |
| [I <sub>the</sub> ] Conventional Enclosed Thermal Current | 16 A                |

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated Operational Power In W | 1300 W AC-3, 230 V 1 phase IEC 947-3<br>14000 W AC-21, 400 V 3 phase IEC 947-3<br>17000 W AC-21, 500 - 660 V 3 phase IEC 947-3<br>2200 W AC-3, 230 V 3 phase IEC 947-3<br>2200 W AC-3, 400 V 1 phase IEC 947-3<br>4000 W AC-23A, 230 V 3 phase IEC 947-3<br>4000 W AC-3, 400 V 3 phase IEC 947-3<br>4000 W AC-3, 500 V 3 phase IEC 947-3<br>4000 W AC-3, 690 V 3 phase IEC 947-3<br>5500 W AC-23A, 400 V 3 phase IEC 947-3<br>5500 W AC-23A, 500 V 3 phase IEC 947-3<br>5500 W AC-23A, 690 V 3 phase IEC 947-3<br>8000 W AC-21, 230 V 3 phase IEC 947-3 |
|------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                   |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [I <sub>e</sub> ] Rated Operational Current Ac | 2 A 500 V AC-15 IEC 947-5-1<br>3 A 400 V AC-15 IEC 947-5-1<br>4 A 230 V AC-15 IEC 947-5-1<br>8 A 400 V AC-3 3 phase IEC 947-3<br>10.8 A 400 V AC-23A 3 phase IEC 947-3<br>14.6 A 230 V AC-23A 3 phase IEC 947-3<br>4.7 A 690 V AC-3 3 phase IEC 947-3<br>6.4 A 690 V AC-23A 3 phase IEC 947-3<br>6.5 A 500 V AC-3 3 phase IEC 947-3<br>8.3 A 230 V AC-3 3 phase IEC 947-3<br>8.9 A 500 V AC-23A 3 phase IEC 947-3 |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                        |                                                                                                       |
|----------------------------------------|-------------------------------------------------------------------------------------------------------|
| 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 gG                                                                                |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV in isolating function<br>6 kV IEC 947-1                                                          |
| Contact Operation                      | Slow-break                                                                                            |
| Positive Opening                       | With                                                                                                  |
| Electrical Connection                  | Captive screw clamp terminals flexible 2 x 1.5 mm²<br>Captive screw clamp terminals solid 1 x 2.5 mm² |
| Mechanical Durability                  | 1000000 cycles                                                                                        |
| Net Weight                             | 0.33 lb(US) (0.15 kg)                                                                                 |

## Environment

|                                       |                                                                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CENELEC EN 50013<br>EN 60947-3 power circuit<br>EN 60947-5-1 control circuit<br>IEC 60947-3 power circuit<br>IEC 60947-5-1 control circuit |
| Product Certifications                | CSA 240 V 1 hp 1 phase<br>CSA 240 V 3 hp 3 phase 2<br>UL 240 V 1 hp 3 phase<br>UL 240 V 0.33 hp 1 phase 2                                  |
| Protective Treatment                  | TC                                                                                                                                         |
| Ambient Air Temperature For Operation | -13...131 °F (-25...55 °C)                                                                                                                 |
| Ambient Air Temperature For Storage   | -40...158 °F (-40...70 °C)                                                                                                                 |
| Shock Resistance                      | 30 gn IEC 68-2-27                                                                                                                          |
| Vibration Resistance                  | 5 gn 10...150 Hz)IEC 68-2-6                                                                                                                |
| Electrical Shock Protection Class     | Class II IEC 536<br>Class II NF C 20-030                                                                                                   |

## Ordering and shipping details

|                   |                                         |
|-------------------|-----------------------------------------|
| Category          | 18406-WORLD SERVICE PARTS(OTHER OP INT) |
| Discount Schedule | CS2                                     |
| Gtin              | 3389110482393                           |
| Returnability     | No                                      |

## Contractual warranty

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