

# Product data sheet

Specifications



## body for changeover switch - 2-pole - 30° - 12 A - for Ø 22 mm

K1D012UX

 **Discontinued on:** Jan 29, 2021

 **Discontinued**

### Main

|   |                               |
|---|-------------------------------|
| Range Of Product                            | Harmony K                     |
| Product Or Component Type                   | Cam switch body               |
| Component Name                              | K1                            |
| [Ith] Conventional Free Air Thermal Current | 12 A                          |
| Sub-Assembly Composition                    | Contact blocks + fixing plate |
| Cam Switch Function                         | Changeover switch             |
| Off Position                                | Without Off position          |
| Poles Description                           | 2P                            |
| Switching Positions                         | Left: 30°<br>Right: 30°       |
| Mounting Location                           | Front                         |
| Fixing Mode                                 | Ø 22 mm hole                  |
| Bezel Material                              | Metal                         |

### Complementary

|  |  |
|--|--|
| Switching Angle                              | 30 °   |
| [Ui] Rated Insulation Voltage                | 690 V (pollution degree 3) conforming to IEC 60947-1   |
| [Ithe] Conventional Enclosed Thermal Current | 10 A   |
| Rated Operational Power In W                 | 10500 W AC-21, 550...600 V 3 phases conforming to IEC 947-3<br>1100 W AC-3, 230 V 3 phases conforming to IEC 947-3<br>1500 W AC-23A, 230 V 3 phases conforming to IEC 947-3<br>1500 W AC-3, 400 V 1 phase conforming to IEC 947-3<br>1500 W AC-3, 400 V 3 phases conforming to IEC 947-3<br>1500 W AC-3, 500 V 3 phases conforming to IEC 947-3<br>1500 W AC-3, 690 V 3 phases conforming to IEC 947-3<br>2200 W AC-23A, 400 V 3 phases conforming to IEC 947-3<br>2200 W AC-23A, 500 V 3 phases conforming to IEC 947-3<br>2200 W AC-23A, 690 V 3 phases conforming to IEC 947-3<br>4800 W AC-21, 230 V 3 phases conforming to IEC 947-3<br>600 W AC-3, 230 V 1 phase conforming to IEC 947-3<br>8300 W AC-21, 400 V 3 phases conforming to IEC 947-3 |

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

|  |  |
|--|--|
| [Ie] Rated Operational Current Ac      | 1.8 A at 690 V AC-3 3 phases conforming to IEC 947-3<br>2.8 A at 500 V AC-3 3 phases conforming to IEC 947-3<br>2.8 A at 690 V AC-23A 3 phases conforming to IEC 947-3<br>3.3 A at 400 V AC-3 3 phases conforming to IEC 947-3<br>3.8 A at 500 V AC-23A 3 phases conforming to IEC 947-3<br>4.6 A at 230 V AC-3 3 phases conforming to IEC 947-3<br>4.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3<br>5.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3<br>1 A at 500 V AC-15 conforming to IEC 947-5-1<br>2 A at 400 V AC-15 conforming to IEC 947-5-1<br>3 A at 230 V AC-15 conforming to IEC 947-5-1 |
| Electrical Durability                  | 1000000 cycles AC-15<br>1000000 cycles AC-21<br>500000 cycles AC-23<br>500000 cycles AC-3  |
| 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               | 16 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   |
| Net Weight                             | 0.188 kg   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN/IEC 60947-3 for power circuit<br>EN/IEC 60947-5-1 for control circuit<br>CENELEC EN 50013                                  |
| Product Certifications                | CSA 240 V 1 hp 1 phase<br>CSA 240 V 3 hp 3 phases 2 -pole(s)<br>UL 240 V 1 hp 3 phases<br>UL 240 V 0.33 hp 1 phase 2 -pole(s) |
| 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)   |
| Overvoltage Category                  | Class II conforming to IEC 536<br>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             | 8 cm   |
| Package 1 Width              | 6.5 cm |
| Package 1 Length             | 6.5 cm |
| Package 1 Weight             | 204 g  |

# 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-CO<sub>2</sub> products.

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[Learn more about Green Premium >](#)

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



Transparency   RoHS/REACH

## Well-being performance

|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

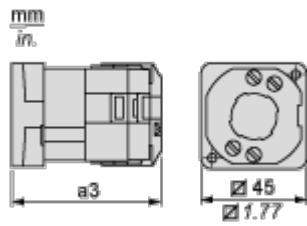
## Certifications & Standards

|                           |  |
|---------------------------|--|
| Reach Regulation          | <a href="#">REACH Declaration</a>  |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>   |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>  |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins  |
| Circularity Profile       | No need of specific recycling operations   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Dimensions Drawings

Body with Metal Base, Secured by Needle Screws

Front Mounting by Ø 22 mm/0.87 in. Hole



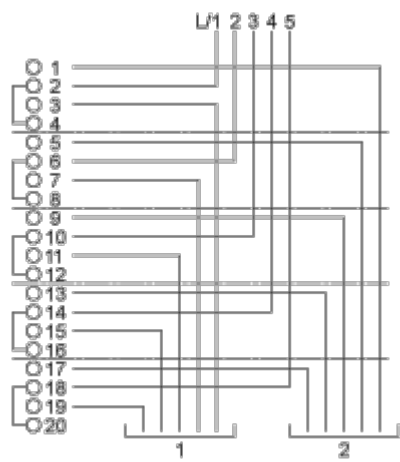
a3 65 mm/2.56 in.

Technical Description

Link Positions (Factory Mounted)

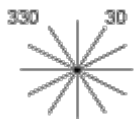
Diagram for 1 to 5-pole Switches

Select the number of poles according to the product characteristics.



Angular Position of Switch

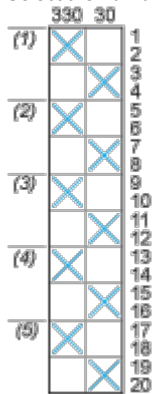
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Switching Program

Diagram for 1 to 5-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



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:

