

# Product data sheet

Specifications



Cam switch, Harmony K, front mounting, plastic, 4 poles, 90°, 115A, 88x88mm, marked OFF/ON

K115D004HP

⚠ Discontinued on: Mar 8, 2023

⚠ Discontinued

## Main

|   |                              |
|---|------------------------------|
| Range Of Product                            | Harmony K                    |
| Product Or Component Type                   | Complete cam switch          |
| Component Name                              | K115                         |
| [Ith] Conventional Free Air Thermal Current | 115 A                        |
| Product Mounting                            | Front mounting               |
| Fixing Mode                                 | 4 holes                      |
| Cam Switch Head Type                        | With front plate 88 x 88 mm  |
| Type Of Operator                            | Black handle                 |
| Rotary Handle Padlocking                    | Without                      |
| Presentation Of Legend                      | With metallic, OFF-ON black  |
| Cam Switch Function                         | Switch                       |
| Return                                      | Without                      |
| Off Position                                | With Off position            |
| Poles Description                           | 4P                           |
| Switching Positions                         | Right: 0° - 90°              |
| Ip Degree Of Protection                     | IP40 conforming to IEC 60529 |

## Complementary

|                                   |   |
|-----------------------------------|---|
| Switching Angle                   | 90 °  |
| [Ui] Rated Insulation Voltage     | 690 V 3)IEC 60947-1   |
| Rated Operational Power In W      | 13000 W AC-3, 380/440 V 1 phase IEC 60947-3<br>15000 W AC-23A, 220/240 V 1 phase IEC 60947-3<br>15000 W AC-3, 220/240 V 3 phase IEC 60947-3<br>22000 W AC-23A, 380/440 V 1 phase IEC 60947-3<br>30000 W AC-23A, 220/240 V 3 phase IEC 60947-3<br>30000 W AC-3, 380/440 V 3 phase IEC 60947-3<br>30000 W AC-3, 660/690 V 3 phase IEC 60947-3<br>3700 W AC-3, 110 V 1 phase IEC 60947-3<br>45000 W AC-23A, 380/440 V 3 phase IEC 60947-3<br>5500 W AC-23A, 110 V 1 phase IEC 60947-3<br>65000 W AC-23A, 660/690 V 3 phase IEC 60947-3<br>7500 W AC-3, 220/240 V 1 phase IEC 60947-3 |
| [Ie] Rated Operational Current Ac | 100 A AC-21A IEC 60947-3  |
| Short-Circuit Current             | 15000 A   |
| Short-Circuit Protection          | 125 A cartridge fuse gG   |

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

|  |  |
|--|--|
| [Uimp] Rated Impulse Withstand Voltage | 6 kV EN 947-1<br>6 kV IEC 947-1  |
| Contact Operation                      | Slow-break   |
| Positive Opening                       | With   |
| Electrical Connection                  | Captive screw clamp terminals flexible 1 x 25 mm²<br>Captive screw clamp terminals solid 1 x 35 mm²  |
| Tightening Torque                      | 22.13 lbf.in (2.5 N.m)   |
| Switching Capacity In Ma               | 100000 mA DC 140 V 3 resistive 1 ms)<br>100000 mA DC 24 V 1 inductive 50 ms)<br>100000 mA DC 48 V 1 resistive 1 ms)<br>100000 mA DC 48 V 2 inductive 50 ms)<br>100000 mA DC 70 V 3 inductive 50 ms)<br>100000 mA DC 95 V 2 resistive 1 ms)<br>115000 mA DC 24 V 1 resistive 1 ms)<br>115000 mA DC 48 V 2 resistive 1 ms)<br>115000 mA DC 70 V 3 resistive 1 ms)<br>33000 mA DC 30 V 1 inductive 50 ms)<br>33000 mA DC 60 V 2 inductive 50 ms)<br>33000 mA DC 90 V 3 inductive 50 ms) |
| Mechanical Durability                  | 300000 cycles  |
| Cad Overall Width                      | 3.46 in (88 mm)  |
| Cad Overall Height                     | 3.46 in (88 mm)  |
| Cad Overall Depth                      | 5.04 in (128 mm)   |
| Net Weight                             | 1.64 lb(US) (0.745 kg)   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | IEC 60947-3   |
| Product Certifications                | CULus 120 V 5 hp 1 phase<br>CULus 240 V 10 hp 1 phase<br>CULus 240 V 20 hp 3 phase<br>CULus 480 V 30 hp 3 phase |
| 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)  |
| Electrical Shock Protection Class     | Class II IEC 60536<br>Class II NF C 20-030  |

## Ordering and shipping details

|                   |                           |
|-------------------|---------------------------|
| Category          | 21446-9003 K CAM SWITCHES |
| Discount Schedule | CS1                       |
| Gtin              | 3389110080087             |
| Returnability     | No                        |
| Country Of Origin | AT                        |

## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type Of Package 1       | PCE               |
| Number Of Units In Package 1 | 1                 |
| Package 1 Height             | 3.86 in (9.8 cm)  |
| Package 1 Width              | 3.86 in (9.8 cm)  |
| Package 1 Length             | 9.25 in (23.5 cm) |

|                              |                         |
|------------------------------|-------------------------|
| Package 1 Weight             | 31.15 oz (883.0 g)      |
| Unit Type Of Package 2       | S03                     |
| Number Of Units In Package 2 | 5                       |
| Package 2 Height             | 11.81 in (30.0 cm)      |
| Package 2 Width              | 11.81 in (30.0 cm)      |
| Package 2 Length             | 15.75 in (40.0 cm)      |
| Package 2 Weight             | 10.94 lb(US) (4.964 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-CO<sub>2</sub> 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 >](#)

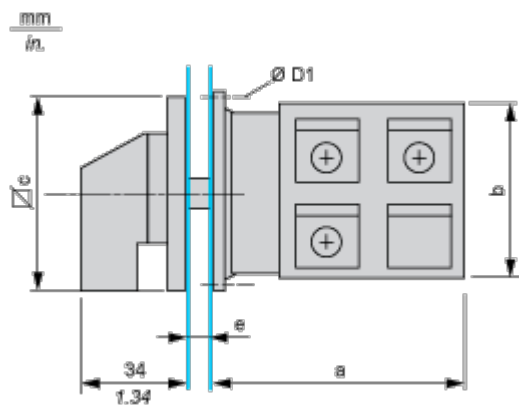
## Well-being performance

|                           |                            |  |
|---------------------------|----------------------------|--|
| ✓                         | Reach Free Of Svhc         |  |
| ✓                         | Toxic Heavy Metal Free     |  |
| ✓                         | Mercury Free               |  |
| ✓                         | Rohs Exemption Information | Yes  |
|                           |                            |  |
| Reach Regulation          |                            | <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>   |
|                           |                            |  |
| Weee                      |                            | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.   |
|                           |                            |  |
| 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

Dimensions

Rear Mounting



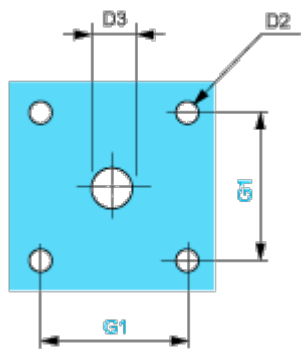
e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

| a  |      | b  |      | c  |      | D1  |      |
|----|------|----|------|----|------|-----|------|
| mm | in.  | mm | in.  | mm | in.  | mm  | in.  |
| 88 | 3.46 | 84 | 3.30 | 88 | 3.46 | 5.4 | 0.21 |

Mounting and Clearance

Panel Cut-Out

Front Mounting



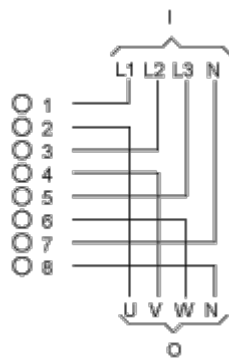
| D2 |      | D3 |      | G1 |      |
|----|------|----|------|----|------|
| mm | in.  | mm | in.  | mm | in.  |
| 6  | 0.24 | 13 | 0.51 | 68 | 2.68 |

Technical Description

Link Positions (Factory Mounted)

Diagram for 3 to 4-pole Switches

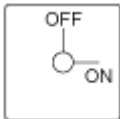
Select the number of poles according to the product characteristics



- I Input
- O Output

Marking

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Angular Position of Switch

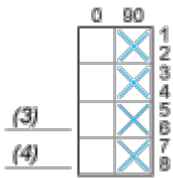
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Switching Program

Diagram for 3 to 4-pole Switches

Select the number of poles according to the product characteristics



- (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:

