



## 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 legend, OFF-ON black marking                   |
| 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 529<br>IP40 conforming to NF C 20-010 |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching angle                        | 90 °                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Ui] rated insulation voltage          | 690 V degree of pollution 3 conforming to EN 60947-1<br>690 V degree of pollution 3 conforming to EN 60947-1<br>690 V degree of pollution 3 conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rated operational power in W           | 65000 W AC-23A/660/690 V 3 phases conforming to EN/IEC 60947-3<br>15000 W AC-23A/220/240 V 1 phase conforming to EN/IEC 60947-3<br>22000 W AC-23A/380/440 V 1 phase conforming to EN/IEC 60947-3<br>13000 W AC-3/380/440 V 1 phase conforming to EN/IEC 60947-3<br>13000 W AC-3/380/440 V 1 phase conforming to EN/IEC 60947-3<br>45000 W AC-23A/380/440 V 3 phases conforming to EN/IEC 60947-3<br>30000 W AC-3/660/690 V 3 phases conforming to EN/IEC 60947-3<br>30000 W AC-3/380/440 V 3 phases conforming to EN/IEC 60947-3<br>7500 W AC-3/220/240 V 1 phase conforming to EN/IEC 60947-3<br>5500 W AC-23A/110 V 1 phase conforming to EN/IEC 60947-3<br>15000 W AC-3/220/240 V 3 phases conforming to EN/IEC 60947-3<br>3700 W AC-3/110 V 1 phase conforming to EN/IEC 60947-3<br>30000 W AC-23A/220/240 V 3 phases conforming to EN/IEC 60947-3 |
| [Ie] rated operational current AC      | 100 A AC-21A conforming to EN/IEC 60947-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Short-circuit current                  | 15000 A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Short-circuit protection               | 125 A by cartridge fuse, type gG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Uimp] 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, 1 x 25 mm <sup>2</sup><br>Captive screw clamp terminals solid, 1 x 35 mm <sup>2</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Tightening torque                      | 22.12 lbf.in (2.5 N.m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Switching capacity in mA               | 100000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms)<br>100000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms)<br>100000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms)<br>100000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms)<br>100000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms)<br>100000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms)<br>115000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms)<br>115000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms)<br>115000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms)                                                                                                                                                                                                                            |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                       |                                                                                                                                                                                                       |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                       | 33000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms)<br>33000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms)<br>33000 mA DC at 90 V 3 contact(s) for inductive load (T = 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)                                                                                                                                                                                      |
| Product weight        | 1.64 lb(US) (0.745 kg)                                                                                                                                                                                |

### Environment

|                                       |                                                                                                                   |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| standards                             | EN/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 phases<br>CULus 480 V 30 hp 3 phases |
| 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 conforming to NF C 20-030<br>Class II conforming to IEC 60536<br>Class II conforming to IEC 60536        |

### Offer Sustainability

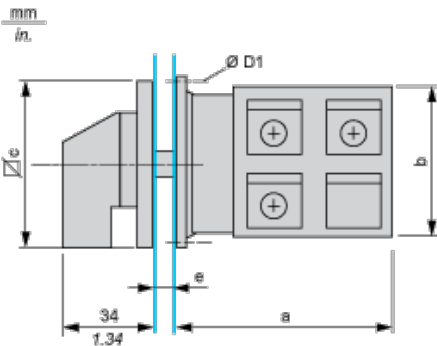
|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | 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. | 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>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

### Contractual warranty

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

### Dimensions

#### Rear Mounting

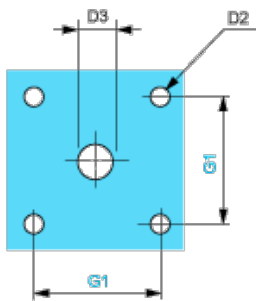


e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

| 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 |

### Panel Cut-Out

#### Front Mounting

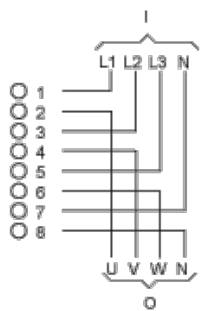


| D2 |      | D3 |      | G1 |      |
|----|------|----|------|----|------|
| mm | in.  | mm | in.  | mm | in.  |
| 6  | 0.24 | 13 | 0.51 | 68 | 2.68 |

## Link Positions (Factory Mounted)

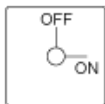
### Diagram for 3 to 4-pole Switches

Select the number of poles according to the product characteristics



- I Input
- O Output

## Marking



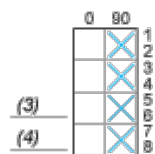
## Angular Position of Switch



## 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

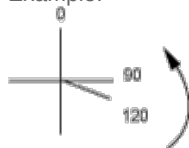


Overlapping contacts



Spring return position: for a switching angle of  $90^\circ$ , spring return is over  $30^\circ$  after the last position (for a maximum of 3 simultaneous contacts).

Example:



## Данный компонент на территории Российской Федерации

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Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

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Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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