



Main

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| 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 | Stepping switch |
| Off position | Without Off position |
| Poles description | 1P |
| Switching positions | Right: 0° - 45° - 90° - 135° - 180° - 225° |
| Mounting Location | Front |
| Fixing Mode | Ø 22 mm hole |
| Bezel material | Metal |

Complementary

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|--|---|
| Number of steps | 6 |
| Switching angle | 45 ° |
| [Ui] rated insulation voltage | 690 V 3)IEC 60947-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| Rated operational power in W | 10500 W AC-21, 500 - 660 V 3 phase IEC 947-3 1100 W AC-3, 230 V 3 phase IEC 947-3 1500 W AC-23A, 230 V 3 phase IEC 947-3 1500 W AC-3, 400 V 1 phase IEC 947-3 1500 W AC-3, 400 V 3 phase IEC 947-3 1500 W AC-3, 500 V 3 phase IEC 947-3 1500 W AC-3, 690 V 3 phase IEC 947-3 2200 W AC-23A, 400 V 3 phase IEC 947-3 2200 W AC-23A, 500 V 3 phase IEC 947-3 2200 W AC-23A, 690 V 3 phase IEC 947-3 4800 W AC-21, 230 V 3 phase IEC 947-3 600 W AC-3, 230 V 1 phase IEC 947-3 8300 W AC-21, 400 V 3 phase IEC 947-3 |
| [Ie] rated operational current AC | 1.8 A 690 V AC-3 3 phase IEC 947-3 2.8 A 500 V AC-3 3 phase IEC 947-3 2.8 A 690 V AC-23A 3 phase IEC 947-3 3.3 A 400 V AC-3 3 phase IEC 947-3 3.8 A 500 V AC-23A 3 phase IEC 947-3 4.6 A 230 V AC-3 3 phase IEC 947-3 4.8 A 400 V AC-23A 3 phase IEC 947-3 5.6 A 230 V AC-23A 3 phase IEC 947-3 1 A 500 V AC-15 IEC 947-5-1 2 A 400 V AC-15 IEC 947-5-1 3 A 230 V AC-15 IEC 947-5-1 |
| Electrical durability | 1000000 Cycles AC-15 1000000 Cycles AC-21 500000 Cycles AC-23 500000 cycles AC-3 |
| Maximum operating rate | 2.5 Cyc/Mn AC-21 2.5 Cyc/Mn AC-23 2.5 Cyc/Mn AC-3 8.333 cyc/mn AC-15 |
| Short-circuit current | 10000 A |
| Short-circuit protection | 16 A cartridge fuse gG |
| [Uimp] rated impulse withstand voltage | 4 KV in isolating function 6 kV IEC 947-1 |

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.

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|-----------------------|---|
| Contact operation | Slow-break |
| Positive opening | With |
| Electrical connection | Captive screw clamp terminals flexible 2 x 1.5 mm ² Captive screw clamp terminals solid 1 x 2.5 mm ² |
| Mechanical durability | 1000000 cycles |
| Net Weight | 0.48 lb(US) (0.218 kg) |

Environment

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|---------------------------------------|---|
| Standards | EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit CENELEC EN 50013 |
| Product certifications | CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phase 2 UL 240 V 1 hp 3 phase 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 |

Ordering and shipping details

| | |
|-----------------------|---------------------------|
| Category | 21446-9003 K CAM SWITCHES |
| Discount Schedule | CS1 |
| GTIN | 3389110794250 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 8.18 oz (232.0 g) |
| Returnability | No |
| Country of origin | CZ |

Packing Units

| | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.56 in (6.5 cm) |
| Package 1 width | 2.56 in (6.5 cm) |
| Package 1 Length | 4.33 in (11 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 10 |
| Package 2 Weight | 5.62 lb(US) (2.551 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 15.75 in (40 cm) |

Offer Sustainability

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|----------------------------|--|
| Sustainable offer status | Green Premium product |
| 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 www.P65Warnings.ca.gov |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |

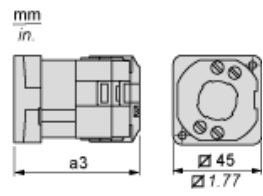
| | |
|--------------------------|--|
| Environmental Disclosure | Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

Contractual warranty

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| Warranty | 18 months |
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Body with Metal Base, Secured by Needle Screws

Front Mounting by $\varnothing 22$ mm/0.87 in. Hole

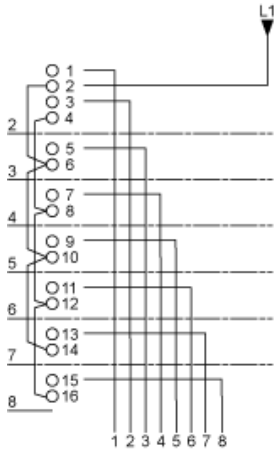


a3 75 mm/2.95 in.

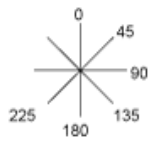
Link Positions (Factory Mounted)

Diagram for 2 to 8-step Stepping Switches

Select the number of steps according to the product characteristics.



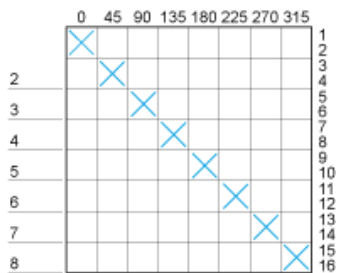
Angular Position of Switch



Switching Program


Diagram for 2 to 8-step Stepping Switches

Select the number of steps according to the product characteristics.



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:

