

Product data sheet

Specifications



cam stepping switch - 3-pole - 45° - 12 A - for Ø 22 mm

K1I023QCH

Product availability : Non-Stock - Not normally stocked in distribution facility

Price* : 219.00 USD

Main

| | |
|---|------------------------------------|
| Range of Product | Harmony K |
| Product or Component Type | Complete cam switch |
| Component name | K1 |
| [Ith] conventional free air thermal current | 12 A |
| Mounting Location | Front |
| Fixing Mode | Ø 22 mm hole |
| Cam switch head type | With front plate 45 x 45 mm |
| Type of operator | Black handle 1.38 in (35 mm) |
| Rotary handle padlocking | Without |
| Presentation of legend | With metallic, 0 - 1 - 2 - 3 black |
| Cam switch function | Stepping switch |
| Return | Without |
| Off position | With Off position |
| Poles description | 3P |
| Switching positions | Right: 0° - 45° - 90° - 135° |
| IP degree of protection | IP65 IEC 529 IP65 NF C 20-010 |

Complementary

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| Number of steps | 3 |
| 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 |

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

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

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| [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 |
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|------------------------------|---|
| Electrical durability | 1000000 cycles AC-15 1000000 cycles AC-21 500000 cycles AC-23 500000 cycles AC-3 |
|------------------------------|---|

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| 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 |
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|------------------------------|---------|
| Short-circuit current | 10000 A |
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|---------------------------------|------------------------|
| Short-circuit protection | 16 A cartridge fuse gG |
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| [Uimp] rated impulse withstand voltage | 4 kV in isolating function 6 kV IEC 947-1 |
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|--------------------------|------------|
| Contact operation | Slow-break |
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|-------------------------|------|
| Positive opening | With |
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| Electrical connection | Captive screw clamp terminals flexible 2 x 1.5 mm ² Captive screw clamp terminals solid 1 x 2.5 mm ² |
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|------------------------------|----------------|
| Mechanical durability | 1000000 cycles |
|------------------------------|----------------|

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| CAD overall width | 1.77 in (45 mm) |
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|---------------------------|-----------------|
| CAD overall height | 1.97 in (50 mm) |
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|--------------------------|-----------------|
| CAD overall depth | 3.50 in (89 mm) |
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|-------------------|------------------------|
| Net Weight | 0.52 lb(US) (0.235 kg) |
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Environment

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| Standards | EN 60947-3 power circuit EN 60947-5-1 control circuit IEC 60947-3 power circuit IEC 60947-5-1 control circuit CENELEC EN 50013 |
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| Product certifications | CSA 240 V 3 hp 3 phase 2 UL 240 V 0.33 hp 1 phase 2 CSA 240 V 1 hp 1 phase UL 240 V 1 hp 3 phase |
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| Protective treatment | TC |
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| Ambient air temperature for operation | -13...131 °F (-25...55 °C) |
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|--|----------------------------|
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
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|-------------------------|-------------------|
| Shock resistance | 30 gn IEC 68-2-27 |
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|-----------------------------|-----------------------------|
| Vibration resistance | 5 gn 10...150 Hz)IEC 68-2-6 |
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| Overvoltage category | Class II IEC 536 Class II NF C 20-030 |
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Ordering and shipping details

| | |
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| Category | 21446 - 9003 K CAM SWITCHES |
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| Discount Schedule | CS1 |
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|-------------|---------------|
| GTIN | 3389110979114 |
|-------------|---------------|

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|-----------------------|-----------------|
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 8.29 oz (235 g) |
| Returnability | No |
| Country of origin | CZ |

Packing Units

| | |
|------------------------|-------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 5.31 in (13.5 cm) |
| Package 1 width | 2.05 in (5.2 cm) |
| Package 1 Length | 2.20 in (5.6 cm) |

Offer Sustainability

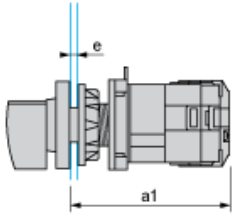
| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which 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 |
|----------|-----------|

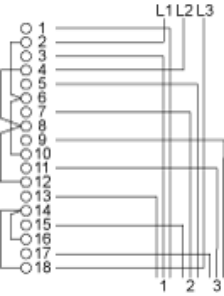
Operating Head and Body with Plastic Base

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

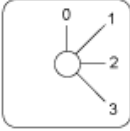


- a1** 110.5 mm/4.35 in.
- e** support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

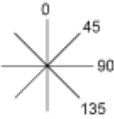
Link Positions (Factory Mounted)



Marking



Angular Position of Switch



Switching Program



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:

