## Product datasheet

Specifications


Cam stepping switch, Harmony K ,
multifixing, plastic, 1 pole, 3 steps,
$45^{\circ}, 12 \mathrm{~A}, 45 \times 45 \mathrm{~mm}$, metallic
legend, marked $1 / 2 / 3,35 \mathrm{~mm}$ black
handle

K1C003NLH

## Main

| Range Of Product | Harmony K |
| :--- | :--- |
| Product Or Component Type | Complete cam switch |
| Component Name | K1 |
| [Ith] Conventional Free Air <br> Thermal Current | 12 A |
| Mounting Location | Front |
| Fixing Mode | Multifixing |
| Cam Switch Head Type | With front plate $45 \times 45 \mathrm{~mm}$ |
| Type Of Operator | Without |
| Rotary Handle Padlocking | With metallic legend, 1-2 - 3 black marking |
| Presentation Of Legend $=35 \mathrm{~mm}$ |  |
| Cam Switch Function | Stepping switch |
| Return | Without |
| Off Position | Without Off position |
| Poles Description | $1 P$ |
| Switching Positions | Right: $0^{\circ}-45^{\circ}-90^{\circ}$ |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |

Complementary

| Number Of Steps | 3 |
| :---: | :---: |
| Switching Angle | $45^{\circ}$ |
| [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, 500... 660 V 3 phases conforming to IEC 947-3 1100 W AC-3, 230 V 3 phases conforming to IEC 947-3 1500 W AC-23A, 230 V 3 phases conforming to IEC 947-3 1500 W AC-3, 400 V 1 phase conforming to IEC 947-3 1500 W AC-3, 400 V 3 phases conforming to IEC 947-3 1500 W AC-3, 500 V 3 phases conforming to IEC 947-3 1500 W AC-3, $690 \vee 3$ phases conforming to IEC $947-3$ 2200 W AC-23A, 400 V 3 phases conforming to IEC 947-3 2200 W AC-23A, 500 V 3 phases conforming to IEC 947-3 2200 W AC-23A, 690 V 3 phases conforming to IEC 947-3 4800 W AC-21, 230 V 3 phases conforming to IEC 947-3 600 W AC-3, 230 V 1 phase conforming to IEC 947-3 8300 W AC-21, 400 V 3 phases conforming to IEC 947-3 |


| [le] Rated Operational Current Ac | 1.8 A at 690 V AC-3 3 phases conforming to IEC 947-3 2.8 A at 500 V AC-3 3 phases conforming to IEC $947-3$ 2.8 A at $690 \mathrm{VAC}-23 \mathrm{~A} 3$ phases conforming to IEC 947-3 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 $230 \mathrm{VAC}-23 \mathrm{~A} 3$ phases conforming to IEC 947-3 <br> 1 A at 500 V AC-15 conforming to IEC 947-5-1 <br> 2 A at $400 \mathrm{~V} \mathrm{AC}-15$ 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 1000000 cycles AC-21 500000 cycles AC-23 500000 cycles AC-3 |
| Maximum Operating Rate | $2.5 \mathrm{cyc} / \mathrm{mn} \mathrm{AC}-21$ <br> $2.5 \mathrm{cyc} / \mathrm{mn}$ AC-23 <br> $2.5 \mathrm{cyc} / \mathrm{mn}$ AC-3 <br> $8.333 \mathrm{cyc} / \mathrm{mn}$ 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 6 kV conforming to IEC 947-1 |
| Contact Operation | Slow-break |
| Positive Opening | With |
| Electrical Connection | Captive screw clamp terminals flexible, clamping capacity: $2 \times 1.5 \mathrm{~mm}^{2}$ Captive screw clamp terminals solid, clamping capacity: $1 \times 2.5 \mathrm{~mm}^{2}$ |
| Mechanical Durability | 1000000 cycles |
| Cad Overall Width | 45 mm |
| Cad Overall Height | 45 mm |
| Cad Overall Depth | 87 mm |
| Net Weight | 0.135 kg |

Environment

| Standards | IEC 60947-3 for power circuit IEC 60947-5-1 for control circuit CENELEC EN 50013 |
| :---: | :---: |
| Product Certifications | CSA 240 V 3 hp 3 phases 2 -pole(s) UL 240 V 0.33 hp 1 phase 2 -pole(s) CSA 240 V 1 hp 1 phase UL 240 V 1 hp 3 phases |
| Protective Treatment | TC |
| Ambient Air Temperature For Operation | $-25 . . .55^{\circ} \mathrm{C}$ |
| Ambient Air Temperature For Storage | $-40 \ldots 70^{\circ} \mathrm{C}$ |
| Shock Resistance | 30 gn conforming to IEC 68-2-27 |
| Vibration Resistance | 5 gn conforming to IEC 68-2-6 ( $\mathrm{f}=10 \ldots 150 \mathrm{~Hz}$ ) |
| 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 | 6.500 cm |


| Package 1 Width | 6.500 cm |
| :--- | :--- |
| Package 1 Length | 11.000 cm |
| Package 1 Weight | 148.000 g |
| Unit Type Of Package 2 | S 01 |
| Number Of Units In Package 2 | 10 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 15.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 1.611 kg |
| Unit Type Of Package 3 | P 06 |
| Number Of Units In Package 3 | 320 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 60.000 cm |
| Package 3 Weight | 59.552 kg |

Contractual warranty

Warranty<br>18 months

## Sustainability yerienn

Green Premium ${ }^{\text {TM }}$ label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low- $\mathrm{CO}_{2}$ 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 >


Transparency RoHS/REACh

## Well-being performance



Reach Free Of Svhc


Toxic Heavy Metal Free


Mercury FreeRohs Exemption Information

## Certifications \& Standards

| Reach Regulation | REACh Declaration |
| :--- | :--- |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) <br> EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | The product must be disposed on European Union markets following specific waste <br> collection and never end up in rubbish bins |
| Weee | No need of specific recycling operations |
| Circularity Profile |  |

## Product datasheet

K1C003NLH

Dimensions Drawings

Operating Head and Body

Front Mounting "Multi-Fixing"

a $\quad 63 \mathrm{~mm} / 2.48 \mathrm{in}$.
e support panel thickness 1 mm to $6 \mathrm{~mm} . / 0.039 \mathrm{in}$. to 0.24 in .

## Product datasheet

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Technical Description

Link Positions (Factory Mounted)

## Diagram for 2 to 5 -step Stepping Switches

Select the number of steps according to the product characteristics.



## Product datasheet

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Angular Position of Switch


## Diagram for 2 to 5-step Stepping Switches

Select the number of steps according to the product characteristics.


## Product datasheet

## Convention Used for Switching Program Representation

## X Contact closed

C Contact closed in 2 positions and maintained between the 2 positions

## $\therefore$

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Overlapping contacts
$\vec{\nabla}$
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:


