## Product data sheet

Specifications

Cam switch body for BCD encoded withoutput switch, Harmony K, $\varnothing$ 22mm, plastic, 1 pole, 5 positions without 0 position, $45^{\circ}, 12 \mathrm{~A}$

K1C025B
(I) Discontinued
(!) Discontinued on: Jul 5, 2023

## Main

| Range Of Product | Harmony K |
| :--- | :--- |
| Product Or Component Type | Cam switch body |
| Component Name | K1 |
| [Ith] Conventional Free Air <br> Thermal Current | 12 A |
| Sub-Assembly Composition | Contact blocks + fixing plate |
| Cam Switch Function | BCD encoded output switch |
| Off Position | Without Off position |
| Switching Positions | Right: $0^{\circ}-45^{\circ}-90^{\circ}-135^{\circ}-180^{\circ}$ |
| Mounting Location | Front |
| Fixing Mode | $\varnothing 22 \mathrm{~mm}$ hole |
| Bezel Material | Plastic |

Complementary

| Number Of Decimal | 5 |
| :---: | :---: |
| Switching Angle | $45^{\circ}$ |
| [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 |


| [le] Rated Operational Current Ac | 1.8 A 690 V AC-3 3 phase IEC 947-3 <br> 2.8 A 500 V AC-3 3 phase IEC 947-3 <br> 2.8 A 690 V AC-23A 3 phase IEC 947-3 <br> 3.3 A 400 V AC-3 3 phase IEC 947-3 <br> 3.8 A 500 V AC-23A 3 phase IEC 947-3 <br> 4.6 A 230 V AC-3 3 phase IEC 947-3 <br> 4.8 A 400 V AC-23A 3 phase IEC $947-3$ <br> 5.6 A 230 V AC-23A 3 phase IEC 947-3 <br> 1 A 500 V AC-15 IEC 947-5-1 <br> 2 A 400 V AC-15 IEC 947-5-1 <br> 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 | $2.5 \mathrm{cyc} / \mathrm{mn} \mathrm{AC}-21$ <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 gG |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV in isolating function 6 kV IEC 947-1 |
| Contact Operation | Slow-break |
| Positive Opening | With |
| Electrical Connection | Captive screw clamp terminals flexible $2 \times 1.5 \mathrm{~mm}^{2}$ Captive screw clamp terminals solid $1 \times 2.5 \mathrm{~mm}^{2}$ |
| Mechanical Durability | 1000000 cycles |
| Net Weight | $0.23 \mathrm{lb}(\mathrm{US})(0.105 \mathrm{~kg})$ |

Environment

| Standards | IEC 60947-3 power circuit 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 | $-13 \ldots 131{ }^{\circ} \mathrm{F}\left(-25 \ldots . .55^{\circ} \mathrm{C}\right)$ |
| Ambient Air Temperature For Storage | $-40 \ldots 158^{\circ} \mathrm{F}\left(-40 \ldots 70^{\circ} \mathrm{C}\right)$ |
| Shock Resistance | 30 gn IEC 68-2-27 |
| Vibration Resistance | $5 \mathrm{gn} \mathrm{10...150} \mathrm{Hz)IEC} \mathrm{68-2-6}$ |
| Overvoltage Category | Class II IEC 536 <br> Class II NF C 20-030 |

Ordering and shipping details

| Category | 18406-WORLD SERVICE PARTS(OTHER OP INT) |
| :--- | :--- |
| Discount Schedule | CS2 |
| Gtin | 3389110476842 |
| Returnability | No |

## Packing Units

| Unit Type Of Package 1 | PCE |
| :--- | :--- |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.56 in $(6.5 \mathrm{~cm})$ |
| Package 1 Width | 2.05 in $(5.2 \mathrm{~cm})$ |
| Package 1 Length | 2.20 in $(5.6 \mathrm{~cm})$ |
| Package 1 Weight | $3.67 \mathrm{oz}(104.0 \mathrm{~g})$ |

## Contractual warranty

Warranty
18 months

## Sustainability <br> ```Green```

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) EU RoHS Declaration |
| 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. |
| Circularity Profile | No need of specific recycling operations |
| 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 |

## Product data sheet

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Dimensions Drawings

Body with Plastic Base

Front Mounting by Ø $22 \mathrm{~mm} / 0.87 \mathrm{in}$. Hole


a2
$59 \mathrm{~mm} / 2.32 \mathrm{in}$.

## Product data sheet

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Technical Description

Link Positions (Factory Mounted)

## Diagram for 1 to 12-decimal BCD Encoded Ouput Switches

Select the maximum number of decimals according to the product characteristics.


## Product data sheet

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Angular Position of Switch


## Diagram for 1 to 6-decimal BCD Encoded Ouput Switches

Select the maximum number of decimals according to the product characteristics.
(1)

(1) Contact marking value

## Product data sheet

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## Convention Used for Switching Program Representation

## X Contact closed

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

## $\therefore$

Overlapping contacts
$\vec{X}$

- 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:


