

K1B006TCH

Cam switch, Harmony K, 22mm, plastic, 1 pole, 3 positions, position 0, spring return, 45°, 12A, 45x45mm, metallic legend, marked 2 0 1, black handle 35mm



Main

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|---|---|
| Range of product | Harmony K |
| Product or component type | Complete cam switch |
| Component name | K1 |
| [Ith] conventional free air thermal current | 12 A |
| Product mounting | Front mounting |
| Fixing mode | Ø 22 mm hole |
| Cam switch head type | With front plate 45 x 45 mm |
| Type of operator | Black handle, length = 35 mm |
| Rotary handle padlocking | Without |
| Presentation of legend | With metallic legend, 2 - 0 - 1 black marking |
| Cam switch function | Reversing switch |
| Return | Spring return from 315° to 0° Spring return from 45° to 0° |
| Off position | With Off position |
| Poles description | 1P |
| Switching positions | Left: 0° - 315° Right: 0° - 45° |
| IP degree of protection | IP65 conforming to IEC 60529 |

Complementary

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| Switching angle | 45 ° |
| [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 60947-3 1100 W AC-3, 230 V 3 phases conforming to IEC 60947-3 1500 W AC-23A, 230 V 3 phases conforming to IEC 60947-3 1500 W AC-3, 400 V 1 phase conforming to IEC 60947-3 1500 W AC-3, 400 V 3 phases conforming to IEC 60947-3 1500 W AC-3, 500 V 3 phases conforming to IEC 60947-3 1500 W AC-3, 690 V 3 phases conforming to IEC 60947-3 2200 W AC-23A, 400 V 3 phases conforming to IEC 60947-3 2200 W AC-23A, 500 V 3 phases conforming to IEC 60947-3 2200 W AC-23A, 690 V 3 phases conforming to IEC 60947-3 4800 W AC-21, 230 V 3 phases conforming to IEC 60947-3 600 W AC-3, 230 V 1 phase conforming to IEC 60947-3 8300 W AC-21, 400 V 3 phases conforming to IEC 60947-3 |
| [Ie] rated operational current AC | 1.8 A at 690 V AC-3 3 phases conforming to IEC 60947-3 2.8 A at 500 V AC-3 3 phases conforming to IEC 60947-3 2.8 A at 690 V AC-23A 3 phases conforming to IEC 60947-3 3.3 A at 400 V AC-3 3 phases conforming to IEC 60947-3 3.8 A at 500 V AC-23A 3 phases conforming to IEC 60947-3 4.6 A at 230 V AC-3 3 phases conforming to IEC 60947-3 4.8 A at 400 V AC-23A 3 phases conforming to IEC 60947-3 5.6 A at 230 V AC-23A 3 phases conforming to IEC 60947-3 1 A at 500 V AC-15 conforming to IEC 60947-5-1 2 A at 400 V AC-15 conforming to IEC 60947-5-1 3 A at 230 V AC-15 conforming to IEC 60947-5-1 |

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| 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, type gG |
| [Uimp] rated impulse withstand voltage | 4 kV in isolating function 6 kV conforming to IEC 60947-1 |
| Contact operation | Slow-break |
| Positive opening | With |
| Electrical connection | Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm ² Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm ² |
| Mechanical durability | 1000000 cycles |
| CAD overall width | 45 mm |
| CAD overall height | 50 mm |
| CAD overall depth | 49 mm |
| Net weight | 0.135 kg |

Environment

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|---------------------------------------|---|
| 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 °C |
| Ambient air temperature for storage | -40...70 °C |
| Shock resistance | 30 gn conforming to IEC 68-2-27 |
| Vibration resistance | 5 gn conforming to IEC 68-2-6 (f = 10...150 Hz) |
| Electrical shock protection class | Class II conforming to IEC 536 Class II conforming to NF C 20-030 |

Packing Units

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|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 6.5 cm |
| Package 1 Width | 6.5 cm |
| Package 1 Length | 11.0 cm |
| Package 1 Weight | 135.0 g |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| 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 |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |

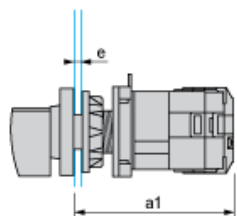
| | |
|---------------------|---|
| Circularity Profile | No need of specific recycling operations |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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Operating Head and Body with Plastic Base

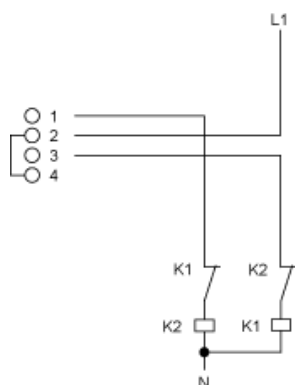
Front Mounting by $\varnothing 22$ mm/0.87 in. Hole



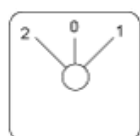
a1 70.5 mm/2.78 in.

e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

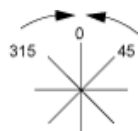
Link Positions (Factory Mounted)



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:

