

K1C007B

body for BCD encoded output switch - 1 pole - 45° -
12 A - for Ø 22 mm



Main

| | |
|---|--|
| 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 | BCD encoded output switch |
| Off position | With Off position |
| Switching positions | Right: 0° - 45° - 90° - 135° - 180° - 225° - 270° - 315° |
| Mounting location | Front |
| Fixing mode | Ø 22 mm hole |
| Bezel material | Plastic |

Complementary

| | |
|--|---|
| Number of decimal | 7 |
| Switching angle | 45° |
| [Ui] rated insulation voltage | 690 V degree of pollution 3 conforming to IEC 60947-1 |
| [Ithe] conventional enclosed thermal current | 10 A |
| Rated operational power in W | 600 W AC-3 / 230 V 1 phase conforming to IEC 947-3 1500 W AC-3 / 400 V 1 phase conforming to IEC 947-3 1100 W AC-3 / 230 V 3 phases conforming to IEC 947-3 8300 W AC-21 / 400 V 3 phases conforming to IEC 947-3 1500 W AC-3 / 690 V 3 phases conforming to IEC 947-3 2200 W AC-23A / 400 V 3 phases conforming to IEC 947-3 1500 W AC-3 / 500 V 3 phases conforming to IEC 947-3 2200 W AC-23A / 500 V 3 phases conforming to IEC 947-3 1500 W AC-3 / 400 V 3 phases conforming to IEC 947-3 1500 W AC-23A / 230 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 10500 W AC-21 / 500 - 660 V 3 phases conforming to IEC 947-3 |
| [Ie] rated operational current AC | 1 A at 500 V AC-15 conforming to IEC 947-5-1 2 A at 400 V AC-15 conforming to IEC 947-5-1 3 A at 230 V AC-15 conforming to IEC 947-5-1 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 V AC-23A 3 phases conforming to IEC 947-3 3.3 A at 400 V AC-3 3 phases conforming to IEC 947-3 3.8 A at 500 V AC-23A 3 phases conforming to IEC 947-3 4.6 A at 230 V AC-3 3 phases conforming to IEC 947-3 4.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3 5.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3 |
| Electrical durability | 1000000 cycles AC-15 1000000 cycles AC-21 500000 cycles AC-23 500000 cycles AC-3 |
| 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 by 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 |

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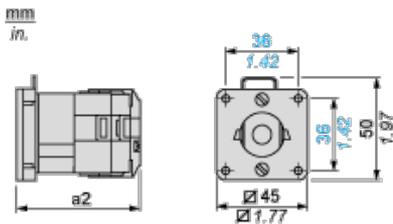
| | |
|-----------------------|---|
| Electrical connection | Captive screw clamp terminals flexible, 2 x 1.5 mm ² Captive screw clamp terminals solid, 1 x 2.5 mm ² |
| Mechanical durability | 1000000 cycles |
| Product weight | 0.105 kg |

Environment

| | |
|---------------------------------------|--|
| standards | CENELEC EN 50013 EN 60947-3 for power circuit EN 60947-5-1 for control circuit IEC 60947-3 for power circuit IEC 60947-5-1 for control circuit |
| product certifications | CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phases 2 -pole(s) UL 240 V 1 hp 3 phases UL 240 V 0.33 hp 1 phase 2 -pole(s) |
| 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, 10...150 Hz conforming to IEC 68-2-6 |
| overvoltage category | Class II conforming to IEC 536 Class II conforming to NF C 20-030 |

Body with Plastic Base

Front Mounting by Ø 22 mm/0.87 in. Hole

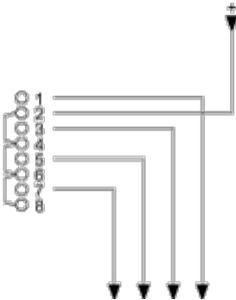


a2 59 mm/2.32 in.

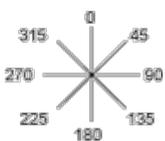
Link Positions (Factory Mounted)

Diagram for 1 to 12-decimal BCD Encoded Output Switches

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



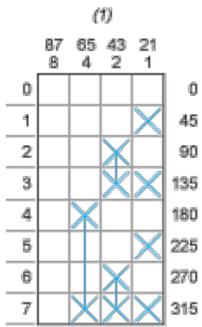
Angular Position of Switch



Switching Program

Diagram for 1 to 7-decimal BCD Encoded Output Switches

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



(1) Contact marking value

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:

