Product data sheet
Characteristics

K2B002A
body for switch - 2-pole - 45° - 20 A - for Ø 22 mm

Main

Commercial Status	Commercialised
Range of product	Harmony K
Product or component type	Cam switch body
Component name	K2
[Ith] conventional free air thermal current	20 A
Sub-assembly composition	Contact blocks + fixing plate
Cam switch function	Switch
Off position	With Off position
Poles description	2P
Switching positions	Right: 0° - 45°
Product mounting	Front mounting
Fixing mode	Ø 22 mm hole
Bezel material	Plastic

Complementary

Switching angle	45 °
[Ui] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[Ithe] conventional enclosed thermal current	16 A
Rated operational power in W	8000 W AC-21/230 V 3 phases conforming to IEC 947-3 5500 W AC-23A/690 V 3 phases conforming to IEC 947-3 5500 W AC-23A/500 V 3 phases conforming to IEC 947-3 5500 W AC-23A/400 V 3 phases conforming to IEC 947-3 4000 W AC-3/690 V 3 phases conforming to IEC 947-3 4000 W AC-3/500 V 3 phases conforming to IEC 947-3 4000 W AC-3/400 V 3 phases conforming to IEC 947-3 4000 W AC-23A/230 V 3 phases conforming to IEC 947-3 2200 W AC-3/400 V 1 phase conforming to IEC 947-3 2200 W AC-3/230 V 3 phases conforming to IEC 947-3 17000 W AC-21/500 - 660 V 3 phases conforming to IEC 947-3 14000 W AC-21/400 V 3 phases conforming to IEC 947-3 1300 W AC-3/230 V 1 phase conforming to IEC 947-3
[Ie] rated operational current AC	8.9 A at 500 V AC-23A 3 phases conforming to IEC 947-3 8.3 A at 230 V AC-3 3 phases conforming to IEC 947-3 6.5 A at 500 V AC-3 3 phases conforming to IEC 947-3 6.4 A at 690 V AC-23A 3 phases conforming to IEC 947-3 4.7 A at 690 V AC-3 3 phases conforming to IEC 947-3 14.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3 10.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3 8 A at 400 V AC-3 3 phases conforming to IEC 947-3 4 A at 230 V AC-15 conforming to IEC 947-5-1 3 A at 400 V AC-15 conforming to IEC 947-5-1 2 A at 500 V AC-15 conforming to IEC 947-5-1
Electrical durability	600000 cycles AC-21 600000 cycles AC-15 200000 cycles AC-3 200000 cycles AC-23
Operating rate	8.333 cyc/mn AC-15 2.5 cyc/mn AC-3 2.5 cyc/mn AC-23 2.5 cyc/mn AC-21
Short-circuit current	10000 A
Short circuit protection	20 A by cartridge fuse, type gG
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 947-1 4 kV in isolating function

Contacts operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals solid, 1 x 2.5 mm² Captive screw clamp terminals flexible, 2 x 1.5 mm²
Mechanical durability	1000000 cycles
Product weight	0.085 kg

Environment

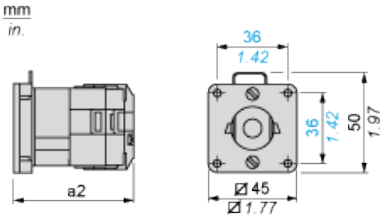
Standards	IEC 60947-5-1 for control circuit IEC 60947-3 for power circuit EN 60947-5-1 for control circuit EN 60947-3 for power circuit CENELEC EN 50013
Product certifications	UL 240 V 0.33 hp 1 phase 2 -pole(s) UL 240 V 1 hp 3 phases CSA 240 V 3 hp 3 phases 2 -pole(s) CSA 240 V 1 hp 1 phase
Protective 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
Class of protection against electric shock	Class II conforming to NF C 20-030 Class II conforming to IEC 536

Contractual warranty

Period	18 months

Body with Plastic Base

Front Mounting by Ø 22 mm/0.87 in. Hole

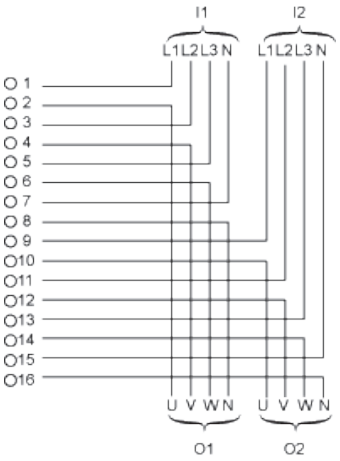


a2 49 mm/1.93 in.

Link Positions (Factory Mounted)

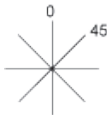
Diagram for 1 to 8-pole Switches

Select the number of poles according to the product characteristics.



I1 Input 1
I2 Input 2
O1 Output 1
O2 Output 2

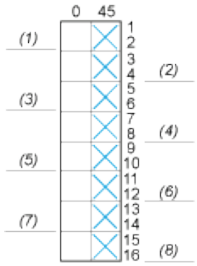
Angular Position of Switch



Switching Program

Diagram for 1 to 8-pole Switches

Select the number of poles according to the product characteristics.



(1) 1-pole
(2) 2-pole
(3) 3-pole
(4) 4-pole
(5) 5-pole
(6) 6-pole
(7) 7-pole
(8) 8-pole

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: