

K1D011B

body for BCD encoded output switch - 1 pole - 30° - 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°-30°-60°-90°-120°-150°-180°-210°-240°-270°-300°-330°
Mounting location	Front
Fixing mode	Ø 22 mm hole
Bezel material	Plastic

Complementary

Number of decimal	11
Switching angle	30 °
[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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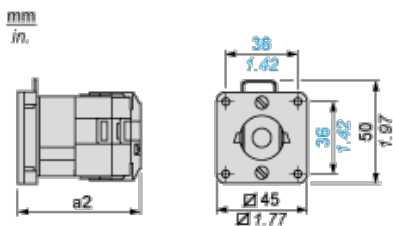
Electrical connection	Captive screw clamp terminals flexible, 2 x 1.5 mm ² Captive screw clamp terminals solid, 1 x 2.5 mm ²
Mechanical durability	1000000 cycles
Product weight	0.11 kg

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

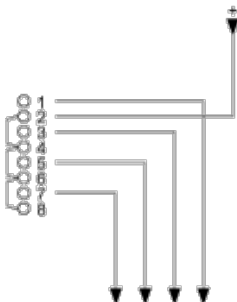


a2 59 mm/2.32 in.

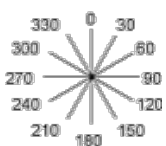
Link Positions (Factory Mounted)

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 11-decimal BCD Encoded Output Switches






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

(1)

	87	65	43	21	
	8	4	2	1	
0					0
1				X	30
2			X	X	60
3			X	X	90
4	X				120
5				X	150
6			X	X	180
7	X		X	X	210
8	X				240
9				X	270
10	X		X	X	300
11	X		X	X	330

(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:

