Product data sheet

Specifications

body for stepping switch - 1 pole - 45° - 12 A - screw mounting

K1B002NL

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

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	Stepping switch
Off Position	Without Off position
Poles Description	1P
Switching Positions	Right: 0° - 45°
Mounting Location	Front
Fixing Mode	Multifixing
Bezel Material	Plastic

Complementary

Number Of Steps	2
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 947-3 1100 W AC-3, 230 V 3 phases conforming to IEC 947-3 1500 W AC-23A, 230 V 3 phases conforming to IEC 947-3 1500 W AC-3, 400 V 1 phase conforming to IEC 947-3 1500 W AC-3, 400 V 3 phases conforming to IEC 947-3 1500 W AC-3, 500 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 2200 W AC-23A, 500 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 947-3 600 W AC-3, 230 V 1 phase conforming to IEC 947-3 8300 W AC-21, 400 V 3 phases conforming to IEC 947-3

[Ie] Rated Operational Current Ac	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
	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
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 947-1
Contact Operation	Slow-break
Positive Opening	With
Electrical Connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm²
	Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm²
Mechanical Durability	1000000 cycles
Net Weight	0.101 kg

Environment

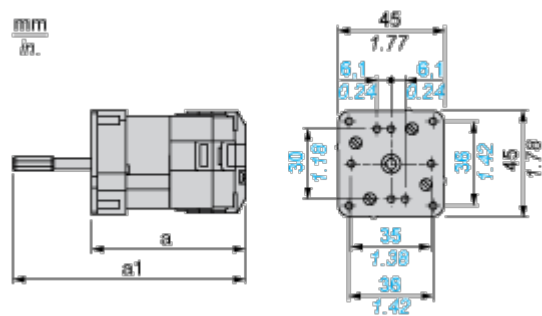| Standards	EN/IEC 60947-3 for power circuit
	EN/IEC 60947-5-1 for control circuit
	CENELEC EN 50013
Product Certifications	CSA 240 V 1 hp 1 phase
	CSA 240 V 3 hp 3 phases 2 -pole(s)
	UL 240 V 1 hp 3 phases
	UL 240 V 0.33 hp 1 phase 2 -pole(s)
Protective Treatment	TC
Ambient Air Temperature For Operation	-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 conforming to IEC 68-2-6 (f = 10…150 Hz)

Contractual warranty

Warranty	18 months

Life Is On | Schneider Electric

Product data sheet

K1B002NL

Dimensions Drawings

Body

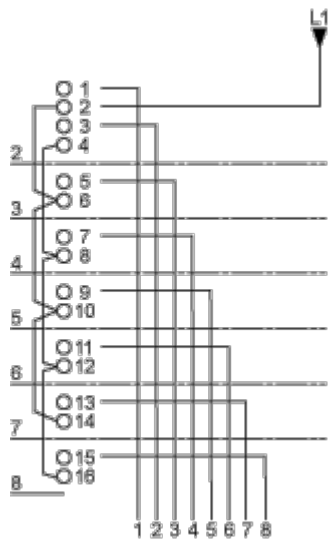**Front Mounting "Multi-Fixing", 2 or 4 Screws**

a   53 mm/2.09 in.

a1   77 mm/3.03 in.
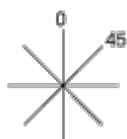
Technical Description

Link Positions (Factory Mounted)

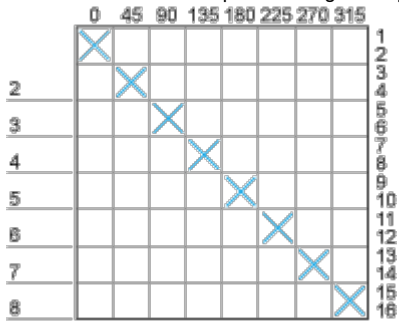**Diagram for 2 to 8-step Stepping Switches**

Select the number of steps according to the product characteristics.

Angular Position of Switch

Switching Program

Diagram for 2 to 8-step Stepping Switches

Select the number of steps according to the product characteristics.

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: