Specifications





Body for stepping switch, Harmony K, Ø 22mm, metal, 1 pole, 4 steps, 45°, 12A

K1D004NX

Main

Range Of Product	Harmony K
Product Or Component Type	Cam switch body
Component Name	К1
[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° - 90° - 135°
Mounting Location	Front
Fixing Mode	Ø 22 mm hole
Bezel Material	Metal

Complementary

Number Of Steps	4
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 2200 W AC-3A, 400 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 2200 W AC-23A, 690 V 3 phases conforming to IEC 947-3 2200 W AC-23A, 500 V 3 phases conforming to IEC 947-3 800 W AC-21, 230 V 3 phases conforming to IEC 947-3 8300 W AC-21, 400 V 3 phases conforming to IEC 947-3
[le] 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-33 A 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	
Electrical Burability	1000000 cycles AC-21	
	500000 cycles AC-21	
	500000 cycles AC-23	
	Soudou cycles AC-S	
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	4 kV in isolating function	
Voltage	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 mm ²	
	Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm ²	
Mechanical Durability	1000000 cycles	
Net Weight	0.188 kg	

Environment

Standards	IEC 60947-3 for power circuit 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	-2555 °C	
Ambient Air Temperature For Storage	-4070 °C	
Shock Resistance	30 gn conforming to IEC 68-2-27	
Vibration Resistance	5 gn conforming to IEC 68-2-6 (f = 10150 Hz)	

Packing Units

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	214.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	10
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.385 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

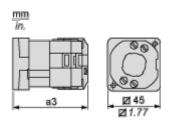
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations

Dimensions Drawings

Body with Metal Base, Secured by Needle Screws

Front Mounting by Ø 22 mm/0.87 in. Hole



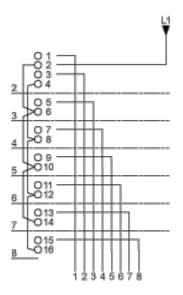
a3 65 mm/2.56 in.

Technical Description

Link Positions (Factory Mounted)

Diagram for 2 to 8-step Stepping Switches

Select the number of steps according to the product characteristics.



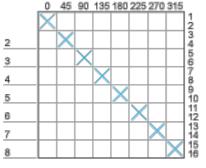
Angular Position of Switch



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:

