

Lembar data produk

Spesifikasi



cam switch - 1 pole - 45° - 12 A - screw mounting

K1A001ALH

Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K1
[Ith] Conventional Free Air Thermal Current	12 A
Mounting Location	Front
Fixing Mode	Multifixing
Cam Switch Head Type	With front plate 45 x 45 mm
Type Of Operator	Black handle, length = 35 mm
Rotary Handle Padlocking	Without
Presentation Of Legend	With metallic legend, 0 - 1 black marking
Cam Switch Function	Switch
Return	Without
Off Position	With Off position
Poles Description	1P
Switching Positions	Right: 0° - 45°
Ip Degree Of Protection	IP40 conforming to IEC 60529

Complementary

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

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

[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	8333 cyc/mn AC-15 2.5 cyc/mn AC-21 2.5 cyc/mn AC-23 2.5 cyc/mn AC-3
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 mm ² Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm ²
Mechanical Durability	1000000 cycles
Cad Overall Width	45 mm
Cad Overall Height	45 mm
Cad Overall Depth	77 mm
Net Weight	0.103 kg

Environment

Standards	IEC 60947-3 for power circuit IEC 60947-5-1 for control circuit CENELEC EN 50013 GB/T 14048.5 for control circuit GB/T 14048.3 for power circuit
Product Certifications	CSA 240 V 3 hp 3 phases 2 -pole(s) UL 240 V 0.33 hp 1 phase 2 -pole(s) CSA 240 V 1 hp 1 phase UL 240 V 1 hp 3 phases CCC
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)
Overvoltage Category	Class II conforming to IEC 536 Class II conforming to NF C 20-030

Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
Package 1 Height	6.500 cm
Package 1 Width	6.500 cm
Package 1 Length	11.000 cm
Package 1 Weight	127.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	40
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	5.468 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	320
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	51.744 kg

Contractual warranty

Warranty	12 months
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Keberlanjutan

Green Premium™ label adalah komitmen Schneider Electric untuk memberikan produk dengan performa lingkungan terbaik di kelasnya. Green Premium menjanjikan kepatuhan pada peraturan terbaru, transparansi pada dampak lingkungan, serta produk melingkar dan rendah CO₂.

Panduan untuk menilai keberlanjutan produk adalah laporan resmi yang menjelaskan standar label lingkungan global dan bagaimana menafsirkan deklarasi lingkungan.

[Pelajari lebih lanjut tentang Green Premium >](#)

[Panduan untuk menilai keberlanjutan produk >](#)



Transparansi RoHS/REACH

Kinerja kesejahteraan

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

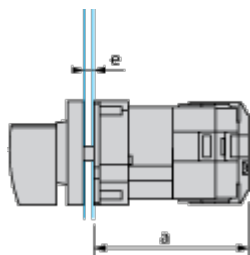
Sertifikasi & Standar

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

Operating Head and Body

Front Mounting "Multi-Fixing"



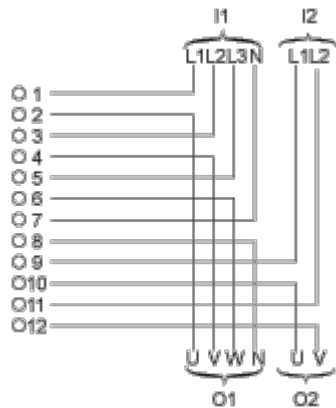
- a 53 mm/2.09 in.
- e support panel thickness 1 mm./0.039 in. to 0.24 in.

Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.

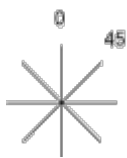


- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

Marking



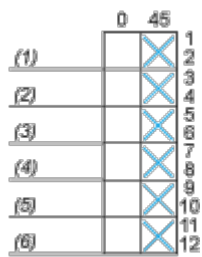
Angular Position of Switch



Switching Program

Diagram for 1 to 6-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

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:

