



cam switch - 1 pole - 30° - 12 A screw mounting

K1A002TLH

! Discontinued on: 5 Jul 2023

① Discontinued

Main

Range Of Product	Harmony K	
Product Or Component Type	Complete cam switch	
Component Name	K1	
[Ith] Conventional Free Air Thermal Current	12 A	
Product Mounting	Front mounting	
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	ON-OFF switch	
Return	Spring return from 30° to 0°	
Off Position	With Off position	
Poles Description	1P	
Switching Positions	tions Right: 0° - 30°	
Ip Degree Of Protection	IP40 conforming to IEC 529 IP40 conforming to NF C 20-010	

Complementary

30 °	
690 V (pollution degree 3) conforming to IEC 60947-1	
10 A	
10500 W AC-21, 500660 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	
	690 V (pollution degree 3) conforming to IEC 60947-1 10 A 10500 W AC-21, 500660 V 3 phases conforming to IEC 947-3 1100 W AC-3, 230 V 3 phases conforming to IEC 947-3 1500 W AC-34, 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, 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

[le] 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
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 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	0.105 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	-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)
Electrical Shock Protection Class	Class II conforming to IEC 536 Class II conforming to NF C 20-030
Packing Units	
Unit Type Of Package 1	PCE

Number Of Units In Package 1

Package 1 Height	11.0 cm
Package 1 Width	6.5 cm
Package 1 Length	6.5 cm
Package 1 Weight	105.0 a

Contractual warranty

Warranty 18 months



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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

20 Apr 2024

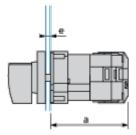
Product datasheet

K1A002TLH

Dimensions Drawings

Operating Head and Body

Front Mounting "Multi-Fixing"



a 53 mm/2.09 in.

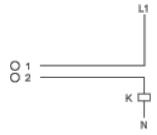
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e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

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Technical Description

Link Positions (Factory Mounted)



Product datasheet

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Marking



Angular Position of Switch



Switching Program



Convention Used for Switching Program Representation

Contact closed

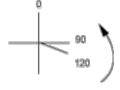
Contact closed in 2 positions and maintained between the 2 positions

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:



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