

Product data sheet

Specifications



body for switch - 1 pole - 30° - 20 A -
for Ø 22 mm

K2A001T

⚠ Discontinued on: Jan 29, 2021

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Main

Range Of Product	Harmony K
Product Or Component Type	Cam switch body
Component Name	K2
[Ith] Conventional Free Air Thermal Current	20 A
Sub-Assembly Composition	Contact blocks + fixing plate
Cam Switch Function	ON-OFF switch
Return	Spring return from 30° to 0°
Off Position	With Off position
Poles Description	1P
Switching Positions	Right: 0° - 30°
Product Mounting	Front mounting
Fixing Mode	Ø 22 mm hole
Bezel Material	Plastic

Complementary

Switching Angle	30 °
[Uij] Rated Insulation Voltage	690 V 3)IEC 60947-1
[Ithe] Conventional Enclosed Thermal Current	16 A
Rated Operational Power In W	1300 W AC-3, 230 V 1 phase IEC 947-3 14000 W AC-21, 400 V 3 phase IEC 947-3 17000 W AC-21, 500 - 660 V 3 phase IEC 947-3 2200 W AC-3, 230 V 3 phase IEC 947-3 2200 W AC-3, 400 V 1 phase IEC 947-3 4000 W AC-23A, 230 V 3 phase IEC 947-3 4000 W AC-3, 400 V 3 phase IEC 947-3 4000 W AC-3, 500 V 3 phase IEC 947-3 4000 W AC-3, 690 V 3 phase IEC 947-3 5500 W AC-23A, 400 V 3 phase IEC 947-3 5500 W AC-23A, 500 V 3 phase IEC 947-3 5500 W AC-23A, 690 V 3 phase IEC 947-3 8000 W AC-21, 230 V 3 phase IEC 947-3

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ie] Rated Operational Current Ac	2 A 500 V AC-15 IEC 947-5-1 3 A 400 V AC-15 IEC 947-5-1 4 A 230 V AC-15 IEC 947-5-1 8 A 400 V AC-3 3 phase IEC 947-3 10.8 A 400 V AC-23A 3 phase IEC 947-3 14.6 A 230 V AC-23A 3 phase IEC 947-3 4.7 A 690 V AC-3 3 phase IEC 947-3 6.4 A 690 V AC-23A 3 phase IEC 947-3 6.5 A 500 V AC-3 3 phase IEC 947-3 8.3 A 230 V AC-3 3 phase IEC 947-3 8.9 A 500 V AC-23A 3 phase IEC 947-3
Electrical Durability	200000 cycles AC-23 200000 cycles AC-3 600000 cycles AC-15 600000 cycles AC-21
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	20 A cartridge fuse gG
[Uimp] Rated Impulse Withstand Voltage	4 kV in isolating function 6 kV IEC 947-1
Contact Operation	Slow-break
Positive Opening	With
Electrical Connection	Captive screw clamp terminals flexible 2 x 1.5 mm² Captive screw clamp terminals solid 1 x 2.5 mm²
Mechanical Durability	1000000 cycles
Net Weight	0.17 lb(US) (0.075 kg)

Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit
Product Certifications	CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phase 2 UL 240 V 1 hp 3 phase UL 240 V 0.33 hp 1 phase 2
Protective Treatment	TC
Ambient Air Temperature For Operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature For Storage	-40...158 °F (-40...70 °C)
Shock Resistance	30 gn IEC 68-2-27
Vibration Resistance	5 gn 10...150 Hz)IEC 68-2-6
Electrical Shock Protection Class	Class II IEC 536 Class II NF C 20-030

Ordering and shipping details

Category	18406-WORLD SERVICE PARTS(OTHER OP INT)
Discount Schedule	CS2
Gtin	3389110477832
Returnability	No

Contractual warranty

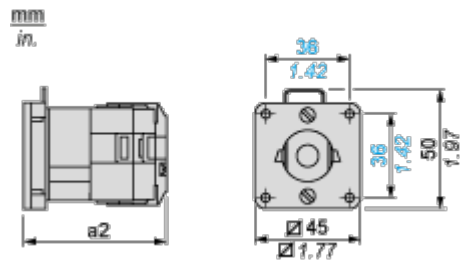
Warranty

18 months

Dimensions Drawings

Body with Plastic Base

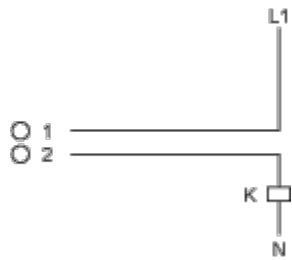
Front Mounting by Ø 22 mm/0.87 in. Hole



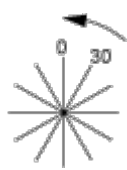
a2 49 mm/1.93 in.

Technical Description

Link Positions (Factory Mounted)



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:

