

Product data sheet

Specifications

body for changeover switch - 4-pole - 45° - 12 A - rear mounting



K1H504U

⚠ Discontinued on: Jan 29, 2021

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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	Changeover switch
Off Position	With Off position
Poles Description	4P
Switching Positions	Right: 0° - 45° Left: 0° - 315°
Mounting Location	Rear
Fixing Mode	4 holes
Bezel Material	Plastic

Complementary

Switching Angle	45 °
[Ui] Rated Insulation Voltage	690 V 3)IEC 60947-1
[Ithe] Conventional Enclosed Thermal Current	10 A
Rated Operational Power In W	10500 W AC-21, 550...600 V 3 phase IEC 947-3 1100 W AC-3, 230 V 3 phase IEC 947-3 1500 W AC-23A, 230 V 3 phase IEC 947-3 1500 W AC-3, 400 V 1 phase IEC 947-3 1500 W AC-3, 400 V 3 phase IEC 947-3 1500 W AC-3, 500 V 3 phase IEC 947-3 1500 W AC-3, 690 V 3 phase IEC 947-3 2200 W AC-23A, 400 V 3 phase IEC 947-3 2200 W AC-23A, 500 V 3 phase IEC 947-3 2200 W AC-23A, 690 V 3 phase IEC 947-3 4800 W AC-21, 230 V 3 phase IEC 947-3 600 W AC-3, 230 V 1 phase IEC 947-3 8300 W AC-21, 400 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	1.8 A 690 V AC-3 3 phase IEC 947-3 2.8 A 500 V AC-3 3 phase IEC 947-3 2.8 A 690 V AC-23A 3 phase IEC 947-3 3.3 A 400 V AC-3 3 phase IEC 947-3 3.8 A 500 V AC-23A 3 phase IEC 947-3 4.6 A 230 V AC-3 3 phase IEC 947-3 4.8 A 400 V AC-23A 3 phase IEC 947-3 5.6 A 230 V AC-23A 3 phase IEC 947-3 1 A 500 V AC-15 IEC 947-5-1 2 A 400 V AC-15 IEC 947-5-1 3 A 230 V AC-15 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 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	0.43 lb(US) (0.195 kg)

Environment

Standards	EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit CENELEC EN 50013
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
Overvoltage Category	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	3389110446128
Returnability	No

Contractual warranty

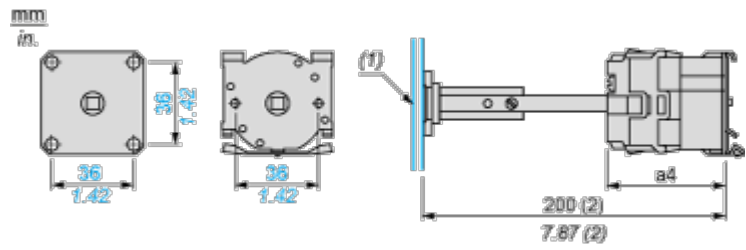
Warranty

18 months

Dimensions Drawings

Body

Rear Mounting



a4 72.5 mm/2.85 in.

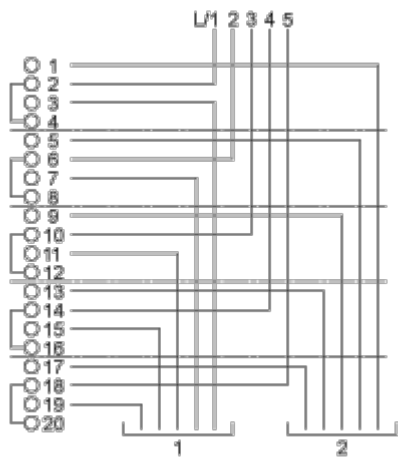
(1) Panel cut-out: Ø 10 mm/0.39 in. central hole

Technical Description

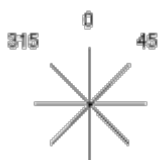
Link Positions (Factory Mounted)

Diagram for 1 to 5-pole Switches

Select the number of poles according to the product characteristics.



Angular Position of Switch



Switching Program

Diagram for 1 to 5-pole Switches

Select the number of poles according to the product characteristics.

	315	0	45	
(1)	X			1
			X	2
				3
(2)	X			4
			X	5
				6
(3)	X			7
			X	8
				9
(4)	X			10
			X	11
				12
(5)	X			13
			X	14
				15
	X			16
			X	17
				18
			X	19
				20

- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole
- (5) 5-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:

