

K2F003U

body for changeover switch - 3-pole - 45° - 20 A - for
Ø 22 mm



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	Changeover switch
Off position	With Off position
Poles description	3P
Switching positions	Left: 0° - 315° Right: 0° - 45°
Mounting location	Front
Fixing mode	Ø 22 mm hole
Bezel material	Plastic

Complementary

Switching angle	45 °
[Ui] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[Ithe] conventional enclosed thermal current	16 A
Rated operational power in W	4000 W AC-3 / 690 V 3 phases conforming to IEC 947-3 14000 W AC-21 / 400 V 3 phases conforming to IEC 947-3 4000 W AC-3 / 500 V 3 phases conforming to IEC 947-3 2200 W AC-3 / 230 V 3 phases conforming to IEC 947-3 5500 W AC-23A / 400 V 3 phases conforming to IEC 947-3 5500 W AC-23A / 690 V 3 phases conforming to IEC 947-3 4000 W AC-23A / 230 V 3 phases conforming to IEC 947-3 8000 W AC-21 / 230 V 3 phases conforming to IEC 947-3 4000 W AC-3 / 400 V 3 phases conforming to IEC 947-3 2200 W AC-3 / 400 V 1 phase conforming to IEC 947-3 5500 W AC-23A / 500 V 3 phases conforming to IEC 947-3 1300 W AC-3 / 230 V 1 phase conforming to IEC 947-3 17000 W AC-21 / 550...600 V 3 phases conforming to IEC 947-3
[Ie] rated operational current AC	2 A at 500 V AC-15 conforming to IEC 947-5-1 3 A at 400 V AC-15 conforming to IEC 947-5-1 4 A at 230 V AC-15 conforming to IEC 947-5-1 8 A at 400 V AC-3 3 phases conforming to IEC 947-3 10.8 A at 400 V AC-23A 3 phases conforming to IEC 947-3 14.6 A at 230 V AC-23A 3 phases conforming to IEC 947-3 4.7 A at 690 V AC-3 3 phases conforming to IEC 947-3 6.4 A at 690 V AC-23A 3 phases conforming to IEC 947-3 6.5 A at 500 V AC-3 3 phases conforming to IEC 947-3 8.3 A at 230 V AC-3 3 phases conforming to IEC 947-3 8.9 A at 500 V AC-23A 3 phases conforming to IEC 947-3
Electrical durability	200000 cycles AC-23 200000 cycles AC-3 600000 cycles AC-15 600000 cycles AC-21
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 by 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

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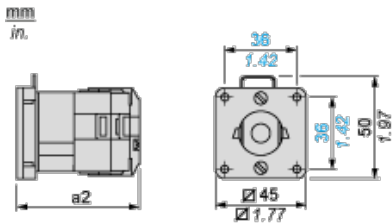
Electrical connection	Captive screw clamp terminals flexible, 2 x 1.5 mm ² Captive screw clamp terminals solid, 1 x 2.5 mm ²
Mechanical durability	1000000 cycles
Product weight	0.14 kg

Environment

standards	CENELEC EN 50013 EN/IEC 60947-3 for power circuit EN/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	-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, 10...150 Hz conforming to IEC 68-2-6
overvoltage category	Class II conforming to IEC 536 Class II conforming to NF C 20-030

Body with Plastic Base

Front Mounting by Ø 22 mm/0.87 in. Hole

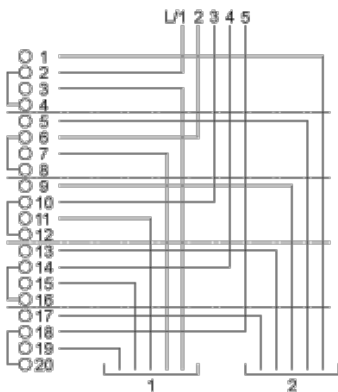


a2 69 mm/2.78 in.

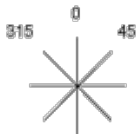
Link Positions (Factory Mounted)

Diagram for 1 to 5-pole Switches

Select the number of poles according to the product characteristics.



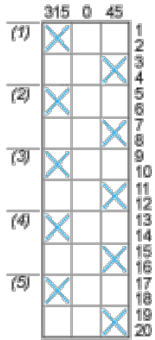
Angular Position of Switch



Switching Program

Diagram for 1 to 5-pole Switches

Select the number of poles according to the product characteristics.



- (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:

