

Product availability: Non-Stock - Not normally stocked in distribution facility



## 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	BCD encoded output switch
Off position	With Off position
Switching positions	Right: 0° - 30° - 60° - 90° - 120° - 150° - 180° - 210° - 240°
Mounting location	Front
Fixing mode	Ø 22 mm hole
Bezel material	Plastic

## Complementary

Number of decimal	8
Switching angle	30 °
[Ui] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[Ithe] conventional enclosed thermal current	10 A
Rated operational power in W	600 W AC-3/230 V 1 phase conforming to IEC 947-3 1500 W AC-3/400 V 1 phase conforming to IEC 947-3 1100 W AC-3/230 V 3 phases conforming to IEC 947-3 8300 W AC-21/400 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 1500 W AC-3/500 V 3 phases conforming to IEC 947-3 2200 W AC-23A/500 V 3 phases conforming to IEC 947-3 1500 W AC-3/400 V 3 phases conforming to IEC 947-3 1500 W AC-23A/230 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 10500 W AC-21/500 - 660 V 3 phases conforming to IEC 947-3
[Ie] 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
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 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
Electrical connection	Captive screw clamp terminals flexible, 2 x 1.5 mm <sup>2</sup> Captive screw clamp terminals solid, 1 x 2.5 mm <sup>2</sup>
Mechanical durability	1000000 cycles
Product weight	0.24 lb(US) (0.11 kg)

## Environment

Standards	CENELEC EN 50013 EN 60947-3 power circuit EN 60947-5-1 control circuit IEC 60947-3 power circuit IEC 60947-5-1 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	-13...131 °F (-25...55 °C)
Ambient air temperature for storage	-40...158 °F (-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

## Ordering and shipping details

Category	18406 - WORLD SERVICE PARTS(OTHER OP INT)
Discount Schedule	CS2
GTIN	003389110476774
Nbr. of units in pkg.	1
Package weight(Lbs)	0.23999999999999999
Returnability	N
Country of origin	CZ

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
----- Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
----- More information	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

## Contractual warranty

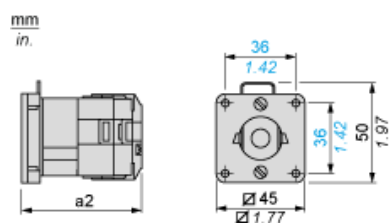
Warranty period	18 months
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Body with Plastic Base

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Front Mounting by Ø 22 mm/0.87 in. Hole

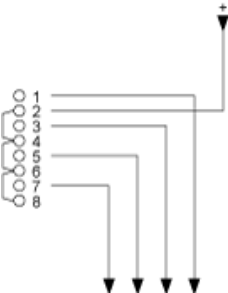


a2 59 mm/2.32 in.

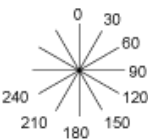
Link Positions (Factory Mounted)

Diagram for 1 to 12-decimal BCD Encoded Ouput Switches

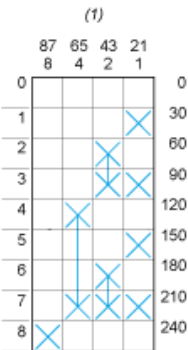
Select the maximum number of decimals according to the product characteristics.



Angular Position of Switch



Switching Program



(1) Contact marking value

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:

