



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 - L1 - L2 - L3 black marking
cam switch function	Ammeter switch
return	Without
type of measurement	For 3 circuits
off position	With Off position
switching positions	Right: 0° - 90° - 180° - 270°
IP degree of protection	IP40 conforming to NF C 20-010 IP40 conforming to IEC 529

Complementary

switching angle	90 °
[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	1100 W AC-3 / 230 V 3 phases conforming to IEC 60947-3 1500 W AC-3 / 400 V 3 phases conforming to IEC 60947-3 2200 W AC-23A / 500 V 3 phases conforming to IEC 60947-3 1500 W AC-3 / 500 V 3 phases conforming to IEC 60947-3 2200 W AC-23A / 690 V 3 phases conforming to IEC 60947-3 4800 W AC-21 / 230 V 3 phases conforming to IEC 60947-3 1500 W AC-3 / 690 V 3 phases conforming to IEC 60947-3 2200 W AC-23A / 400 V 3 phases conforming to IEC 60947-3 1500 W AC-3 / 400 V 1 phase conforming to IEC 60947-3 1500 W AC-23A / 230 V 3 phases conforming to IEC 60947-3 8300 W AC-21 / 400 V 3 phases conforming to IEC 60947-3 10500 W AC-21 / 500...660 V 3 phases conforming to IEC 60947-3 600 W AC-3 / 230 V 1 phase conforming to IEC 60947-3
[Ie] rated operational current AC	4.8 A at 400 V AC-23A 3 phases conforming to IEC 60947-3 3.8 A at 500 V AC-23A 3 phases conforming to IEC 60947-3 3 A at 230 V AC-15 conforming to IEC 60947-5-1 2 A at 400 V AC-15 conforming to IEC 60947-5-1 5.6 A at 230 V AC-23A 3 phases conforming to IEC 60947-3 3.3 A at 400 V AC-3 3 phases conforming to IEC 60947-3 1.8 A at 690 V AC-3 3 phases conforming to IEC 60947-3 2.8 A at 500 V AC-3 3 phases conforming to IEC 60947-3 2.8 A at 690 V AC-23A 3 phases conforming to IEC 60947-3 1 A at 500 V AC-15 conforming to IEC 60947-5-1 4.6 A at 230 V AC-3 3 phases conforming to IEC 60947-3
electrical durability	500000 cycles AC-3 1000000 cycles AC-15 500000 cycles AC-23 1000000 cycles AC-21
operating rate	2.5 cyc/mn AC-23 2.5 cyc/mn AC-21 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	6 kV conforming to IEC 60947-1 4 kV in isolating function
contacts operation	Slow-break
positive opening	With
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
CAD overall width	45 mm
CAD overall height	45 mm
CAD overall depth	97 mm
product weight	0.17 kg
compatibility code	K1F

Environment

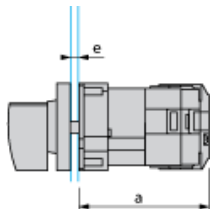
standards	EN/IEC 60947-3 for power circuit EN/IEC 60947-5-1 for control circuit CENELEC EN 50013
product certifications	UL 240 V 1 hp 3 phases CSA 240 V 3 hp 3 phases 2 -pole(s) UL 240 V 0.33 hp 1 phase 2 -pole(s) CSA 240 V 1 hp 1 phase
protective treatment	TC
ambient air temperature for operation	-25...55 °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
class of protection against electric shock	Class II conforming to IEC 536 Class II conforming to NF C 20-030

Contractual warranty

Warranty period	18 months
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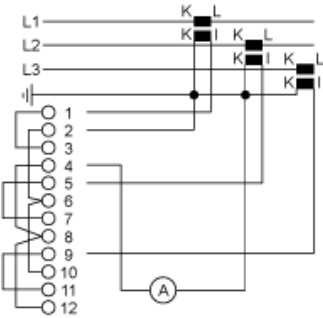
Operating Head and Body

Front Mounting "Multi-Fixing"

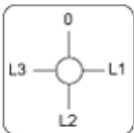


- a 73 mm/2.87 in.
e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Link Positions (Factory Mounted)



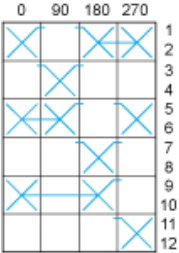
Marking



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:

