



### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K1
[I <sub>th</sub> ] conventional free air thermal current	12 A
Product mounting	Front mounting
Fixing mode	Ø 22 mm hole
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 - 1 black marking
Return	Without
Off position	With Off position
Poles description	1P
Switching positions	Right: 0° - 45°
IP degree of protection	IP65 conforming to NF C 20-010 IP65 conforming to IEC 529

### Complementary

Cam switch function	Switch
Switching angle	45 °
[U <sub>i</sub> ] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[I <sub>the</sub> ] conventional enclosed thermal current	10 A
Rated operational power in W	600 W AC-3 /230 V 1 phase conforming to IEC 947-3 1100 W AC-3 /230 V 3 phases conforming to IEC 947-3 1500 W AC-3 /400 V 3 phases conforming to IEC 947-3 1500 W AC-3 /500 V 3 phases conforming to IEC 947-3 1500 W AC-3 /690 V 3 phases conforming to IEC 947-3 1500 W AC-3 /400 V 1 phase conforming to IEC 947-3 1500 W AC-23A /230 V 3 phases conforming to IEC 947-3 2200 W AC-23A /400 V 3 phases conforming to IEC 947-3 2200 W AC-23A /500 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 8300 W AC-21 /400 V 3 phases conforming to IEC 947-3 10500 W AC-21 /500...660 V 3 phases conforming to IEC 947-3
[I <sub>e</sub> ] rated operational current AC	1 A at 500 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 A at 400 V AC-15 conforming to IEC 947-5-1 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 A at 230 V AC-15 conforming to IEC 947-5-1 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	500000 cycles AC-3 500000 cycles AC-23 1000000 cycles AC-15 1000000 cycles AC-21
Operating rate	2.5 cyc/mn AC-3 2.5 cyc/mn AC-23 2.5 cyc/mn AC-21 8333 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
Contacts operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals solid cable, 1 x 2.5 mm <sup>2</sup> Captive screw clamp terminals flexible cable, 2 x 1.5 mm <sup>2</sup>
Mechanical durability	1000000 cycles
Product weight	0.123 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 0.33 hp 1 phase 2 -pole(s) UL 240 V 1 hp 3 phases
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
RoHS EUR conformity date	0910
RoHS EUR status	Compliant