



### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K2
[I <sub>th</sub> ] conventional free air thermal current	20 A
Mounting location	Front
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
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	2P
Switching positions	Right: 0° - 90°
IP degree of protection	IP65 conforming to IEC 529 IP65 conforming to NF C 20-010

### Complementary

Switching angle	90 °
[U <sub>i</sub> ] rated insulation voltage	690 V (pollution degree 3) conforming to IEC 60947-1
[I <sub>the</sub> ] conventional enclosed thermal current	16 A
Rated operational power in W	1300 W AC-3, 230 V 1 phase conforming to IEC 60947-3 14000 W AC-21, 400 V 3 phases conforming to IEC 60947-3 17000 W AC-21, 500...660 V 3 phases conforming to IEC 60947-3 2200 W AC-3, 230 V 3 phases conforming to IEC 60947-3 2200 W AC-3, 400 V 1 phase conforming to IEC 60947-3 4000 W AC-23A, 230 V 3 phases conforming to IEC 60947-3 4000 W AC-3, 400 V 3 phases conforming to IEC 60947-3 4000 W AC-3, 500 V 3 phases conforming to IEC 60947-3 4000 W AC-3, 690 V 3 phases conforming to IEC 60947-3 5500 W AC-23A, 400 V 3 phases conforming to IEC 60947-3 5500 W AC-23A, 500 V 3 phases conforming to IEC 60947-3 5500 W AC-23A, 690 V 3 phases conforming to IEC 60947-3 8000 W AC-21, 230 V 3 phases conforming to IEC 60947-3
[I <sub>e</sub> ] rated operational current AC	8 A at 400 V AC-3 3 phases conforming to IEC 60947-3 10.8 A at 400 V AC-23A 3 phases conforming to IEC 60947-3 14.6 A at 230 V AC-23A 3 phases conforming to IEC 60947-3 4.7 A at 690 V AC-3 3 phases conforming to IEC 60947-3 6.4 A at 690 V AC-23A 3 phases conforming to IEC 60947-3 6.5 A at 500 V AC-3 3 phases conforming to IEC 60947-3 8.3 A at 230 V AC-3 3 phases conforming to IEC 60947-3 8.9 A at 500 V AC-23A 3 phases conforming to IEC 60947-3 2 A at 500 V AC-15 conforming to IEC 60947-5-1 3 A at 400 V AC-15 conforming to IEC 60947-5-1 4 A at 230 V AC-15 conforming to IEC 60947-5-1
Electrical durability	200000 Cycles AC-23 200000 Cycles AC-3 600000 Cycles AC-15 600000 cycles AC-21
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	20 A cartridge fuse, type gG
[Uimp] rated impulse withstand voltage	4 kV in isolating function 6 kV conforming to IEC 60947-1
Contact operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm <sup>2</sup> Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm <sup>2</sup>
Mechanical durability	1000000 cycles
CAD overall width	45 mm
CAD overall height	50 mm
CAD overall depth	49 mm
Net weight	0.15 kg

## Environment

Standards	EN 60947-3 for power circuit EN 60947-5-1 for control circuit IEC 60947-3 for power circuit IEC 60947-5-1 for control circuit CENELEC EN 50013
Product certifications	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 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 conforming to IEC 68-2-6 (f = 10...150 Hz)
Overvoltage category	Class II conforming to IEC 536 Class II conforming to NF C 20-030

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	156 g
Package 1 Height	6.5 cm
Package 1 width	6.5 cm
Package 1 Length	11 cm
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Weight	1.785 kg
Package 2 Height	15 cm
Package 2 width	15 cm
Package 2 Length	40 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>

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**Environmental Disclosure** **Product Environmental Profile****WEEE**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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**Contractual warranty****Warranty**

18 months

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