Product data sheet

Specifications



Cam ammeter switch, Harmony K, multifixing, plastic,3 positions, position 0, 90°,12A, 45x45mm,metallic legend,marked 0 L1 L2 L3, 35mm black handle

K1F003MLH

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

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 1.4 in (35 mm)
Rotary handle padlocking	Without
Presentation of legend	With metallic, 0 - L1 - L2 - L3 black
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 IEC 529 IP40 conforming to NF C 20-010

Complementary

Switching angle	90 °
[Ui] rated insulation voltage	690 V 3)IEC 60947-1
[Ithe] conventional enclosed thermal current	10 A
Rated operational power in W	10500 W AC-21, 500...660 V 3 phase IEC 60947-3 1100 W AC-3, 230 V 3 phase IEC 60947-3 1500 W AC-23A, 230 V 3 phase IEC 60947-3 1500 W AC-3, 400 V 1 phase IEC 60947-3 1500 W AC-3, 400 V 3 phase IEC 60947-3 1500 W AC-3, 500 V 3 phase IEC 60947-3 1500 W AC-3, 690 V 3 phase IEC 60947-3 2200 W AC-23A, 400 V 3 phase IEC 60947-3 2200 W AC-23A, 500 V 3 phase IEC 60947-3 2200 W AC-23A, 690 V 3 phase IEC 60947-3 4800 W AC-21, 230 V 3 phase IEC 60947-3 600 W AC-3, 230 V 1 phase IEC 60947-3 8300 W AC-21, 400 V 3 phase IEC 60947-3

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Ie] rated operational current AC	1 A 500 V AC-15 IEC 60947-5-1 2 A 400 V AC-15 IEC 60947-5-1 3 A 230 V AC-15 IEC 60947-5-1 1.8 A 690 V AC-3 3 phase IEC 60947-3 2.8 A 500 V AC-3 3 phase IEC 60947-3 2.8 A 690 V AC-23A 3 phase IEC 60947-3 3.3 A 400 V AC-3 3 phase IEC 60947-3 3.8 A 500 V AC-23A 3 phase IEC 60947-3 4.6 A 230 V AC-3 3 phase IEC 60947-3 4.8 A 400 V AC-23A 3 phase IEC 60947-3 5.6 A 230 V AC-23A 3 phase IEC 60947-3
Electrical durability	1000000 cycles AC-15 1000000 cycles AC-21 500000 cycles AC-23 500000 cycles AC-3
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	16 A cartridge fuse gG
[Uimp] rated impulse withstand voltage	4 kV in isolating function 6 kV IEC 60947-1
Contact operation	Slow-break
positive opening	With
Electrical connection	Captive screw clamp terminals flexible 2 x 1.5 mm² Captive screw clamp terminals solid 1 x 2.5 mm²
Mechanical durability	1000000 cycles
CAD overall width	1.8 in (45 mm)
CAD overall height	1.8 in (45 mm)
CAD overall depth	3.8 in (97 mm)
Product Weight	0.37 lb(US) (0.17 kg)

Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit
Product certifications	CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phase 2 UL 240 V 1 hp 3 phase UL 240 V 0.33 hp 1 phase 2
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 IEC 68-2-27
Vibration resistance	5 gn 10…150 Hz)IEC 68-2-6
Electrical shock protection class	Class II conforming to IEC 536 Class II conforming to NF C 20-030

Ordering and shipping details

Category	US10CS121446
Discount Schedule	0CS1
GTIN	3389110979183

Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.598 in (6.600 cm)
Package 1 Width	2.598 in (6.600 cm)
Package 1 Length	4.409 in (11.200 cm)
Package weight(Lbs)	6.349 oz (180.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	40
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	16.876 lb(US) (7.655 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	320
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	23.622 in (60.000 cm)
Package 3 Length	31.496 in (80.000 cm)
Package 3 Weight	156.132 lb(US) (70.820 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**7 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**5 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.2 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**1 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.3 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

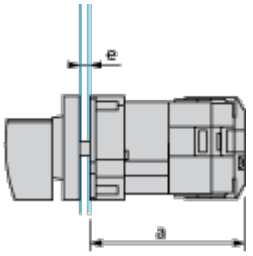
Repack and remanufacture

Recyclability potential, in %	**39**
Circularity Profile	**No need of specific recycling operations**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Operating Head and Body

Front Mounting "Multi-Fixing"

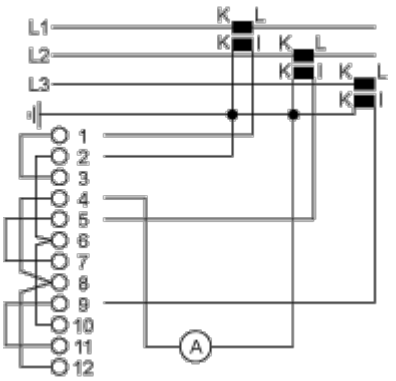


a 73 mm/2.87 in.

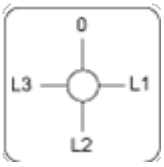
e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Technical Description

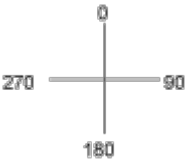
Link Positions (Factory Mounted)



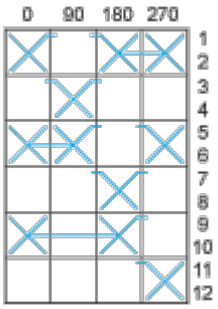
Marking



Angular Position of Switch



Switching Program



Convention Used for Switching Program Representation

Contact closed

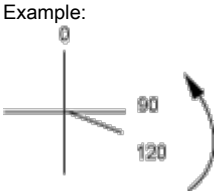
Contact closed in 2 positions and maintained between the 2 positions

Sealed assembly for auto-maintain control

Overlapping contacts

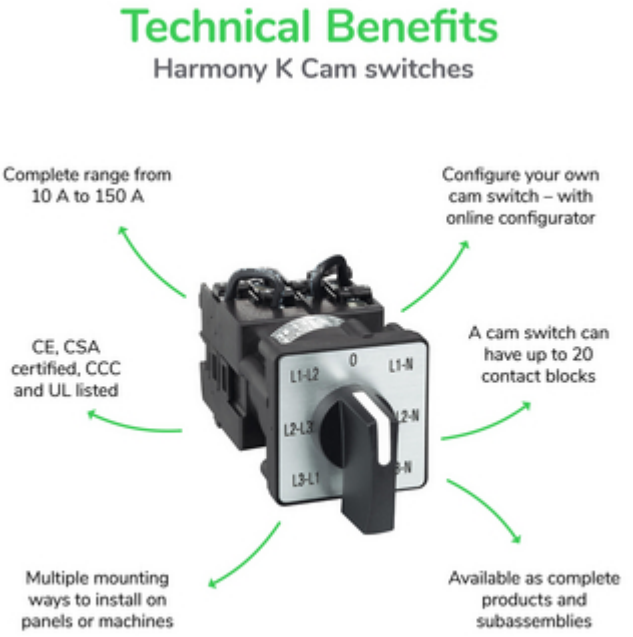
Spring return position: for a switching angle of 90°, spring return is over 30° after the last position (for a maximum of 3 simultaneous contacts).

Example:



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative






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