

Product datasheet

Specifications



Cam ammeter switch, Harmony K,
Ø16 or 22mm , plastic, for 3 circuits,
position 0, 90°, 10A, 30x30mm,
marked 0/1/2/3

K10F003MCH

Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K10
[Ith] Conventional Free Air Thermal Current	10 A
Product Mounting	Front mounting
Fixing Mode	Ø 16 or 22 mm hole
Cam Switch Head Type	With front plate 30 x 30 mm
Type Of Operator	Black handle
Rotary Handle Padlocking	Without
Presentation Of Legend	With metallic legend, 0 - 1 - 2 - 3 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	Contact block: IP20 Operating head: IP65 conforming to IEC 60529

Complementary

Switching Angle	90 °
[UI] Rated Insulation Voltage	440 V (pollution degree 3) conforming to IEC 60947-1
Rated Operational Power In W	1800 W AC-23A, 220/240 V 3 phases 370 W AC-23A, 110/120 V 1 phase 750 W AC-23A, 220/240 V 1 phase
Rated Power In Hp	1 hp at 220/240 V AC, 3 phases 0.33 hp at 110/120 V AC, 1 phase 0.75 hp at 110/120 V AC, 3 phases 0.75 hp at 220/240 V AC, 1 phase
[Ie] Rated Operational Current Ac	10 A at 400 V AC-1 10 A at 400 V AC-21A 3 A at 240 V AC-15 6 A AC-15
[Ie] Rated Operational Current Dc	10 A at 24 V resistive load 0.3 A at 220 V resistive load 0.7 A at 110 V resistive load
Electrical Durability	100000000 cycles

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

Short-Circuit Protection	10 A cartridge fuse, type gG
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-1
Contact Operation	Slow-break
Electrical Connection	Captive screw clamp terminals, clamping capacity: 2 x 1.5 mm²
Mechanical Durability	1000000 cycles
Cad Overall Width	30 mm
Cad Overall Height	30 mm
Cad Overall Depth	100 mm
Net Weight	0.055 kg

Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 EN/IEC 60947-5-1
Product Certifications	CULus
Protective Treatment	TC
Ambient Air Temperature For Operation	-20...55 °C
Ambient Air Temperature For Storage	-40...70 °C
Electrical Shock Protection Class	Class II conforming to IEC 60536

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.0 cm
Package 1 Width	4.1 cm
Package 1 Length	10.5 cm
Package 1 Weight	72.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	65
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	5.135 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

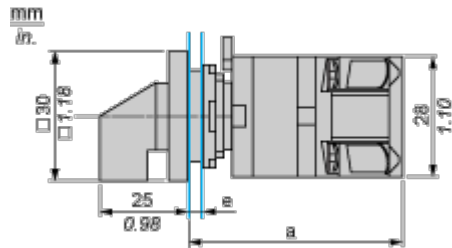
Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes
Reach Regulation		REACH Declaration
Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation		China RoHS declaration
Weee		The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Cam Switch

Front Mounting by Ø16 mm/0.63 in. or Ø 22 mm/0.87 in. hole

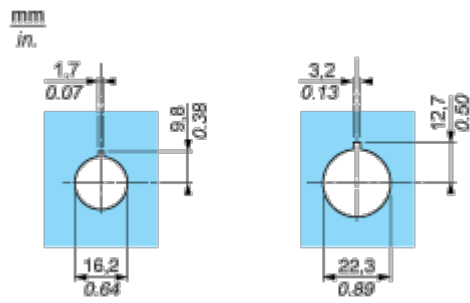


- a 75 mm/2.95 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Mounting and Clearance

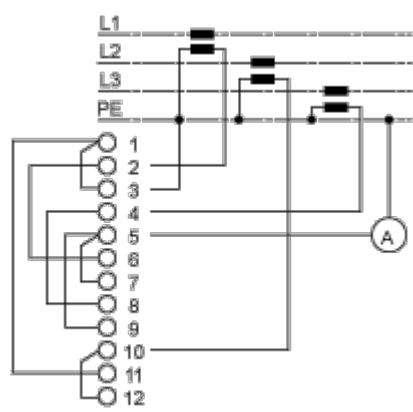
Cam Switch

Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs

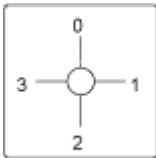


Technical Description

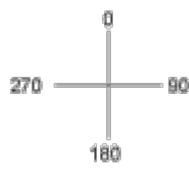
Link Positions (Factory Mounted)



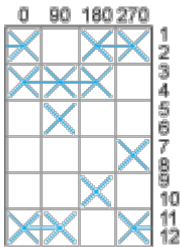
Marking



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:

