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Product datasheet

Specifications



cam changeover switch - 1 pole - 30° - 10 A - for Ø 16 or 22 mm

K10B006TCH

EAN Code: 3389110076516

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, 1 - 0 - 2 black marking
Cam switch function	Changeover switch
Return	Spring return from 330° to 0° Spring return from 30° to 0°
Off position	With Off position
Poles description	1P
Switching positions	Left: 0° - 330° Right: 0° - 30°
IP degree of protection	Contact block: IP20 Operating head: IP65 conforming to IEC 60529

Complementary

Switching angle	30 °
[Ui] rated insulation voltage	440 V (pollution degree 3) conforming to IEC 60947-1
Rated operational power in W	370 W AC-23A, 110/120 V 1 phase 750 W AC-23A, 220/240 V 1 phase
Rated power in hp	0.33 hp at 110/120 V AC, 1 phase 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 at 120 V 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
Short-circuit protection	10 A cartridge fuse, type gG

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

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[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	76 mm
Product weight	0.035 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	8.1 cm
Package 1 Width	4.1 cm
Package 1 Length	4.0 cm
Package 1 Weight	55.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	80
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	4.727 kg

Logistical informations

Country of origin	AT

Contractual warranty

Warranty	18 months

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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 >

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**

Use Again

Repack and remanufacture

Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

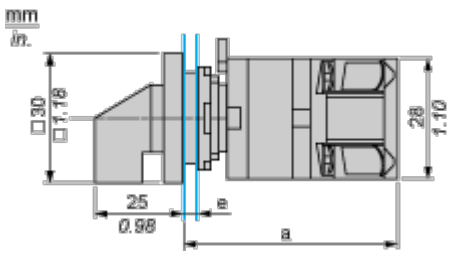
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Dimensions Drawings

Cam Switch

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



a 51 mm/2.01 in.

e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

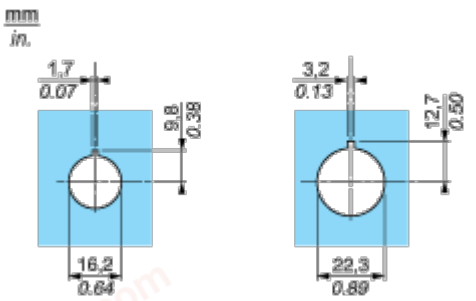
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Mounting and Clearance

Cam Switch

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



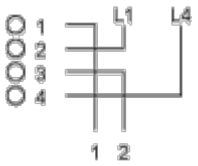
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Technical Description

Link Positions (Factory Mounted)

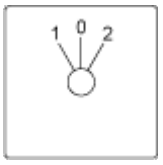


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Marking

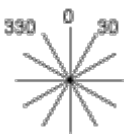


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Angular Position of Switch

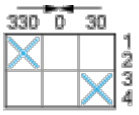


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Switching Program



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Convention Used for Switching Program Representation

Contact closed

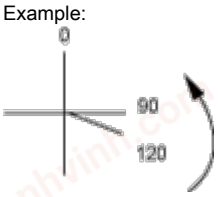
Contact closed in 2 positions and maintained between the 2 positions

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:



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