



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, 1 - 0 - 2 black
Cam switch function	Changeover switch
Return	Without
Off position	With Off position
Poles description	2P
Switching positions	Right: 0° - 60° Left: 0° - 300°
IP degree of protection	Contact block IP20 Operating head IP65 IEC 60529

Complementary

Switching angle	60 °
[Ui] rated insulation voltage	440 V 3)IEC 60947-1
Rated operational power in W	1800 W AC-23A, 220/240 V 3 phase 370 W AC-23A, 110/120 V 1 phase 750 W AC-23A, 220/240 V 1 phase
Rated power in hp	1 Hp 220/240 V AC, 3 phase 0.33 Hp 110/120 V AC, 1 phase 0.75 Hp 110/120 V AC, 3 phase 0.75 hp 220/240 V AC, 1 phase
[Ie] rated operational current AC	10 A 400 V AC-1 10 A 400 V AC-21A 3 A 240 V AC-15 6 A 120 V AC-15
[Ie] rated operational current DC	10 A 24 V resistive 0.3 A 220 V resistive 0.7 A 110 V resistive
Electrical durability	100000000 cycles
Short-circuit protection	10 A cartridge fuse gG
[Uimp] rated impulse withstand voltage	4 kV IEC 60947-1
Contact operation	Slow-break
Electrical connection	Captive screw clamp terminals 2 x 1.5 mm²
Mechanical durability	1000000 cycles
CAD overall width	1.18 in (30 mm)
CAD overall height	1.18 in (30 mm)
CAD overall depth	3.46 in (88 mm)
Net Weight	0.10 lb(US) (0.045 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	-4...131 °F (-20...55 °C)
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Electrical shock protection class	Class II IEC 60536

Ordering and shipping details

Category	21446 - 9003 K CAM SWITCHES
Discount Schedule	CS1
GTIN	03389110076653
Nbr. of units in pkg.	1
Package weight(Lbs)	0.14 lb(US) (0.06 kg)
Returnability	No
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	1.57 in (4 cm)
Package 1 width	1.61 in (4.1 cm)
Package 1 Length	4.17 in (10.6 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	65
Package 2 Weight	10.50 lb(US) (4.764 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

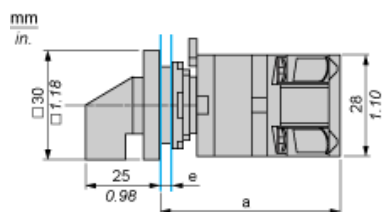
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds and Di-isodecyl phthalate (DIDP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
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.

Contractual warranty

Warranty	18 months
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Cam Switch

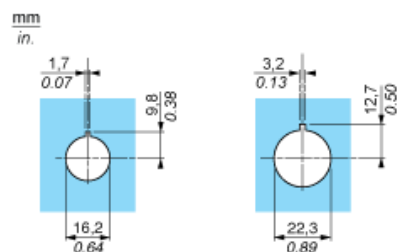
Front Mounting by Ø16 mm/0.63 in. or Ø 22 mm/0.87 in. hole



- a 63 mm/2.48 in.
- e support panel thickness: 0.5 mm to 5 mm/0.02 in. to 0.2 in.

Cam Switch

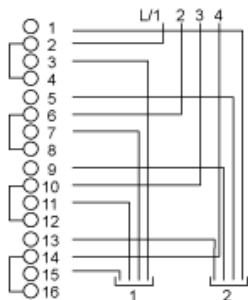
Ø 16 mm/0.63 in. and Ø 22 mm/0.87 in. Panel Cut-outs



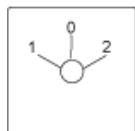
Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

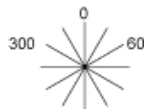
Select the number of poles according to the product characteristics.



Marking



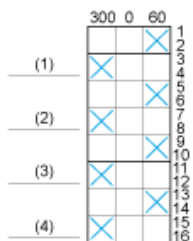
Angular Position of Switch



Switching Program

Diagram for 1 to 4-pole Switches

Select the number of poles according to the product characteristics.



- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole

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:

