

K30A001AP

cam switch - 1 pole - 60° - 32 A - screw mounting



Main

Range of Product	Harmony K
Product or Component Type	Complete cam switch
Component name	K30
[I _{th}] conventional free air thermal current	32 A
Product mounting	Front mounting
Fixing Mode	4 holes
Cam switch head type	With front plate 64 x 64 mm
Type of operator	Black handle
Rotary handle padlocking	Without
Presentation of legend	With metallic, 0 - 1 black
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	1P
Switching positions	Right: 0° - 60°
IP degree of protection	IP40 IEC 529 IP40 NF C 20-010

Complementary

Switching angle	60 °
[U _i] rated insulation voltage	690 V 3)EN 60947-1 690 V 3)IEC 60947-1
Rated operational power in W	11000 W AC-3, 380/440 V 3 phase EN/IEC 60947-3 11000 W AC-3, 660/690 V 3 phase EN/IEC 60947-3 15000 W AC-23A, 380/440 V 3 phase EN/IEC 60947-3 15000 W AC-23A, 660/690 V 3 phase EN/IEC 60947-3 2200 W AC-23A, 110 V 1 phase EN/IEC 60947-3 2200 W AC-3, 110 V 1 phase EN/IEC 60947-3 4000 W AC-23A, 220/240 V 1 phase EN/IEC 60947-3 4000 W AC-3, 220/240 V 1 phase EN/IEC 60947-3 5500 W AC-3, 220/240 V 3 phase EN/IEC 60947-3 5500 W AC-3, 380/440 V 1 phase EN/IEC 60947-3 7500 W AC-23A, 220/240 V 3 phase EN/IEC 60947-3 7500 W AC-23A, 380/440 V 1 phase EN/IEC 60947-3
[I _e] rated operational current AC	14 A 220/240 V AC-15 EN 60947-5-1 14 A 220/240 V AC-15 IEC 60947-5-1 32 A AC-21A EN/IEC 60947-3 6 A 380/440 V AC-15 EN 60947-5-1 6 A 380/440 V AC-15 IEC 60947-5-1
Short-circuit current	5000 A
Short-circuit protection	50 A cartridge fuse gG
[U _{imp}] rated impulse withstand voltage	6 kV EN 947-1 6 kV IEC 947-1
Contact operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals flexible 2 x 4 mm ² Captive screw clamp terminals solid 2 x 6 mm ²
Tightening torque	10.62 lbf.in (1.2 N.m)

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Switching capacity in mA	11000 mA DC 120 V 2 inductive 50 ms) 11000 mA DC 180 V 3 inductive 50 ms) 11000 mA DC 60 V 1 inductive 50 ms) 1200 mA DC 220 V 1 resistive 1 ms) 1200 mA DC 440 V 2 resistive 1 ms) 1200 mA DC 660 V 3 resistive 1 ms) 16000 mA DC 140 V 3 inductive 50 ms) 16000 mA DC 48 V 1 inductive 50 ms) 16000 mA DC 95 V 2 inductive 50 ms) 23000 mA DC 120 V 2 resistive 1 ms) 23000 mA DC 180 V 3 resistive 1 ms) 23000 mA DC 60 V 1 resistive 1 ms) 25000 mA DC 30 V 1 inductive 50 ms) 25000 mA DC 60 V 2 inductive 50 ms) 25000 mA DC 90 V 3 inductive 50 ms) 3200 mA DC 110 V 1 inductive 50 ms) 3200 mA DC 220 V 2 inductive 50 ms) 3200 mA DC 330 V 3 inductive 50 ms) 32000 mA DC 140 V 3 resistive 1 ms) 32000 mA DC 24 V 1 inductive 50 ms) 32000 mA DC 24 V 1 resistive 1 ms) 32000 mA DC 48 V 1 resistive 1 ms) 32000 mA DC 48 V 2 inductive 50 ms) 32000 mA DC 48 V 2 resistive 1 ms) 32000 mA DC 70 V 3 inductive 50 ms) 32000 mA DC 70 V 3 resistive 1 ms) 32000 mA DC 95 V 2 resistive 1 ms) 400 mA DC 440 V 1 resistive 1 ms) 400 mA DC 660 V 2 resistive 1 ms) 6500 mA DC 110 V 1 resistive 1 ms) 6500 mA DC 220 V 2 resistive 1 ms) 6500 mA DC 330 V 3 resistive 1 ms)
Mechanical durability	300000 cycles
CAD overall width	2.52 in (64 mm)
CAD overall height	2.52 in (64 mm)
CAD overall depth	3.19 in (81 mm)
Net Weight	0.29 lb(US) (0.13 kg)

Environment

Standards	EN/IEC 60947-3
Product certifications	CULus 120 V 2 hp 1 phase CULus 240 V 5 hp 1 phase CULus 240 V 5 hp 3 phase CULus 480 V 20 hp 3 phase
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)
Electrical shock protection class	Class II IEC 60536 Class II NF C 20-030

Ordering and shipping details

Category	21446 - 9003 K CAM SWITCHES
Discount Schedule	CS1
GTIN	3389110080735
Nbr. of units in pkg.	1
Package weight(Lbs)	6.06 oz (171.9 g)
Returnability	No
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	4.53 in (11.5 cm)
Package 1 width	2.83 in (7.2 cm)
Package 1 Length	2.83 in (7.2 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	30

Package 2 Weight	12.95 lb(US) (5.873 kg)
Package 2 Height	11.81 in (30 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

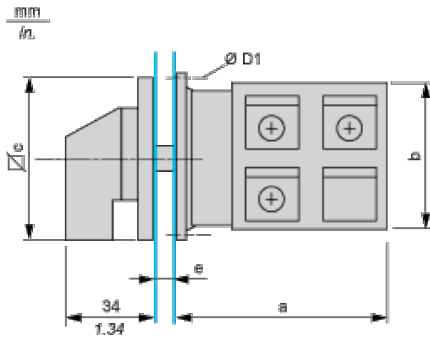
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
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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Dimensions

Front Mounting

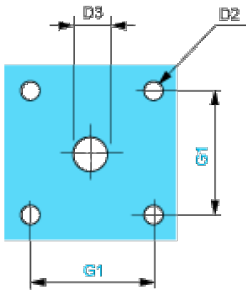


e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in.

a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
41	1.61	58	2.28	64	2.52	4.1	0.16

Panel Cut-Out

Front Mounting

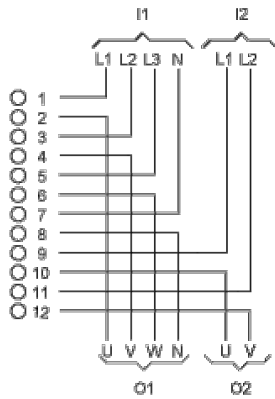


D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

Link Positions (Factory Mounted)

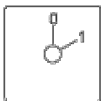
Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics



- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

Marking



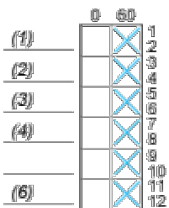
Angular Position of Switch



Switching Program

Diagram for 1 to 6-pole Switches


Select the number of poles according to the product characteristics




- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole
- (5) 5-pole
- (6) 6-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:

