Product data sheet
Characteristics

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
[Ith] 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 legend, 0 - 1 black marking
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	1P
Switching positions	Right: 0° - 60°
IP degree of protection	IP40 conforming to IEC 529 IP40 conforming to NF C 20-010

Complementary

Switching angle	60 °
[Ui] rated insulation voltage	690 V (pollution degree 3) conforming to EN 60947-1 690 V (pollution degree 3) conforming to IEC 60947-1
Rated operational power in W	11000 W AC-3, 380/440 V 3 phases conforming to EN/IEC 60947-3 11000 W AC-3, 660/690 V 3 phases conforming to EN/IEC 60947-3 15000 W AC-23A, 380/440 V 3 phases conforming to EN/IEC 60947-3 15000 W AC-23A, 660/690 V 3 phases conforming to EN/IEC 60947-3 2200 W AC-23A, 110 V 1 phase conforming to EN/IEC 60947-3 2200 W AC-3, 110 V 1 phase conforming to EN/IEC 60947-3 4000 W AC-23A, 220/240 V 1 phase conforming to EN/IEC 60947-3 4000 W AC-3, 220/240 V 1 phase conforming to EN/IEC 60947-3 5500 W AC-3, 220/240 V 3 phases conforming to EN/IEC 60947-3 5500 W AC-3, 380/440 V 1 phase conforming to EN/IEC 60947-3 7500 W AC-23A, 220/240 V 3 phases conforming to EN/IEC 60947-3 7500 W AC-23A, 380/440 V 1 phase conforming to EN/IEC 60947-3
[Ie] rated operational current AC	14 A at 220/240 V AC-15 conforming to EN 60947-5-1 14 A at 220/240 V AC-15 conforming to IEC 60947-5-1 32 A AC-21A conforming to EN/IEC 60947-3 6 A at 380/440 V AC-15 conforming to EN 60947-5-1 6 A at 380/440 V AC-15 conforming to IEC 60947-5-1
Short-circuit current	5000 A
Short-circuit protection	50 A cartridge fuse, type gG

[Uimp] rated impulse withstand voltage	6 KV conforming to EN 947-1 6 KV conforming to IEC 947-1
Contact operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 4 mm² Captive screw clamp terminals solid, clamping capacity: 2 x 6 mm²
Tightening torque	1.2 N.M
Switching capacity in mA	11000 mA DC at 120 V 2 contact(s) for inductive load (T = 50 ms) 11000 mA DC at 180 V 3 contact(s) for inductive load (T = 50 ms) 11000 mA DC at 60 V 1 contact(s) for inductive load (T = 50 ms) 1200 mA DC at 220 V 1 contact(s) for resistive load (T = 1 ms) 1200 mA DC at 440 V 2 contact(s) for resistive load (T = 1 ms) 1200 mA DC at 660 V 3 contact(s) for resistive load (T = 1 ms) 16000 mA DC at 140 V 3 contact(s) for inductive load (T = 50 ms) 16000 mA DC at 48 V 1 contact(s) for inductive load (T = 50 ms) 16000 mA DC at 95 V 2 contact(s) for inductive load (T = 50 ms) 23000 mA DC at 120 V 2 contact(s) for resistive load (T = 1 ms) 23000 mA DC at 180 V 3 contact(s) for resistive load (T = 1 ms) 23000 mA DC at 60 V 1 contact(s) for resistive load (T = 1 ms) 25000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms) 25000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms) 25000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 110 V 1 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 220 V 2 contact(s) for inductive load (T = 50 ms) 3200 mA DC at 330 V 3 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms) 32000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms) 400 mA DC at 440 V 1 contact(s) for resistive load (T = 1 ms) 400 mA DC at 660 V 2 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 110 V 1 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 220 V 2 contact(s) for resistive load (T = 1 ms) 6500 mA DC at 330 V 3 contact(s) for resistive load (T = 1 ms)
Mechanical durability	300000 Cycles
CAD overall width	64 Mm
CAD overall height	64 Mm
CAD overall depth	81 Mm
Product weight	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 phases CULus 480 V 20 hp 3 phases
Protective treatment	TC
Ambient air temperature for operation	-25…55 °C
Ambient air temperature for storage	-40…70 °C
Electrical shock protection class	Class II conforming to IEC 60536 Class II conforming to NF C 20-030

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	171.9 G
Package 1 Height	11.5 Cm
Package 1 width	7.2 Cm
Package 1 Length	7.2 Cm
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Weight	5.873 Kg

Package 2 Height	30 Cm
Package 2 width	30 Cm
Package 2 Length	40 Cm

Offer Sustainability

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
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

Contractual warranty

Warranty	18 months

Product Life Status : Commercialised

Mouser Electronics

Authorized Distributor

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Schneider Electric:

K30A001AP