



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 legend, 1 - 2 black marking
Cam switch function	Changeover switch
Return	Without
Off position	Without Off position
Poles description	3P
Switching positions	Left: 330° Right: 30°
IP degree of protection	IP40 conforming to NF C 20-010 IP40 conforming to IEC 529

Complementary

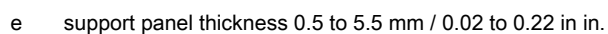
Switching angle	30 °
[U _i] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1 690 V degree of pollution 3 conforming to EN 60947-1
Short-circuit current	5000 A
Short circuit protection	50 A by cartridge fuse, type gG
[U _{imp}] rated impulse withstand voltage	6 kV conforming to IEC 947-1 6 kV conforming to EN 947-1
Contacts operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals solid, 2 x 6 mm ² Captive screw clamp terminals flexible, 2 x 4 mm ²
Tightening torque	1.2 N.m

Switching capacity in mA	6500 mA DC at 330 V 3 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 110 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) 400 mA DC at 440 V 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 70 V 3 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 48 V 2 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 1 contact(s) for resistive load (T = 1 ms) 32000 mA DC at 24 V 1 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 140 V 3 contact(s) for resistive load (T = 1 ms) 3200 mA DC at 330 V 3 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 110 V 1 contact(s) for inductive load (T = 50 ms) 25000 mA DC at 90 V 3 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 30 V 1 contact(s) for inductive load (T = 50 ms) 23000 mA DC at 60 V 1 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 120 V 2 contact(s) for resistive load (T = 1 ms) 16000 mA DC at 95 V 2 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 140 V 3 contact(s) for inductive load (T = 50 ms) 1200 mA DC at 660 V 3 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 220 V 1 contact(s) for resistive load (T = 1 ms) 11000 mA DC at 60 V 1 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 120 V 2 contact(s) for inductive load (T = 50 ms)
Mechanical durability	300000 cycles
CAD overall width	64 mm
CAD overall height	64 mm
CAD overall depth	106 mm
Product weight	0.425 kg

Environment

Standards	EN/IEC 60947-3
Product certifications	CULus 480 V 20 hp 3 phases CULus 240 V 5 hp 3 phases CULus 240 V 5 hp 1 phase CULus 120 V 2 hp 1 phase
Protective treatment	TC
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Class of protection against electric shock	Class II conforming to NF C 20-030 Class II conforming to IEC 60536

Front Mounting



a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
66.4	2.61	58	2.28	64	2.52	4.1	0.16

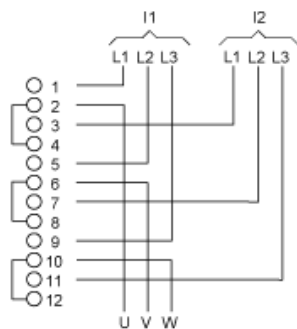
Panel Cut-Out

Front Mounting



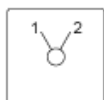
D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

Link Positions (Factory Mounted)



I1 Input 1
I2 Input 2

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:

