



Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K1
[I _{th}] conventional free air thermal current	12 A
Product mounting	Front mounting
Fixing mode	6 screws Ø 5.2 mm
Type of operator	Black handle
Rotary handle padlocking	With
Presentation of legend	With metallic legend black marking
Cam switch function	Stepping switch
Return	Without
Off position	Without Off position
Switching positions	0-60°-120°
IP degree of protection	IP40 conforming to NF C 20-010 IP40 conforming to IEC 529

Complementary

Switching angle	60 °
[U _i] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[I _{the}] conventional enclosed thermal current	10 A
Electrical durability	500000 cycles AC-3 500000 cycles AC-23 1000000 cycles AC-21 1000000 cycles AC-15
Operating rate	8.333 cyc/mn AC-15 2.5 cyc/mn AC-3 2.5 cyc/mn AC-23 2.5 cyc/mn AC-21
Short-circuit current	10000 A
Short circuit protection	16 A by cartridge fuse, type gG
[U _{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1 4 kV in isolating function
Contacts operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals solid, 1 x 2.5 mm ² Captive screw clamp terminals flexible, 2 x 1.5 mm ²
Mechanical durability	1000000 cycles
CAD overall width	55 mm
CAD overall height	100 mm
CAD overall depth	93 mm

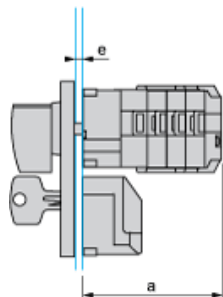
Environment

Standards	EN/IEC 60947-5-1 for control circuit EN/IEC 60947-3 for power circuit CENELEC EN 50013
Product certifications	UL 240 V 0.33 hp 1 phase 2 -pole(s) UL 240 V 1 hp 3 phases CSA 240 V 3 hp 3 phases 2 -pole(s) CSA 240 V 1 hp 1 phase
Protective treatment	TC
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	30 gn conforming to IEC 68-2-27
Vibration resistance	5 gn, 10...150 Hz conforming to IEC 68-2-6
Class of protection against electric shock	Class II conforming to NF C 20-030 Class II conforming to IEC 536

Operating Head and Body with Plastic Base and Key Locking

Front Mounting by 6 Screws

55 mm x 100 mm / 2.17 in. x 3.94 in. front plate

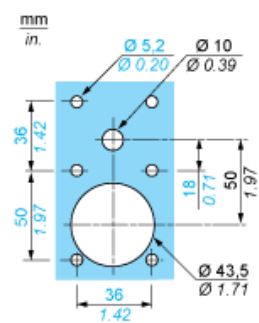


a 93 mm/3.66 in.

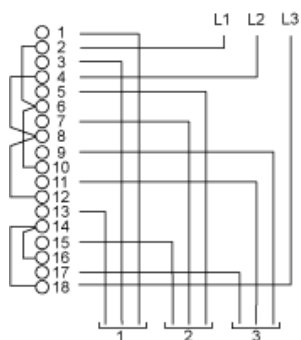
e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

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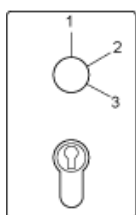
Panel Cut-out



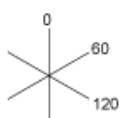
Link Positions (Factory Mounted)



Marking



Angular Position of Switch



Switching Program

0	60	120
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		
X		

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:

