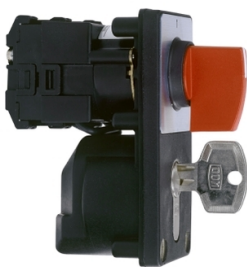


# Product data sheet

Specifications



cam stepping switch - 3-pole - 60 ° -  
12 A - front mounting - red handle

K11023NZ2

⚠ Discontinued on: Jan 29, 2021

⚠ Discontinued

## Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K1
[Ith] Conventional Free Air Thermal Current	12 A
Product Mounting	Front mounting
Fixing Mode	6 screws Ø 5.2 mm
Type Of Operator	Red 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 IEC 529 IP40 conforming to NF C 20-010

## Complementary

Switching Angle	60 °
[Ui] Rated Insulation Voltage	690 V (pollution degree 3) conforming to IEC 60947-1
[Ithe] Conventional Enclosed Thermal Current	10 A
Electrical Durability	1000000 cycles AC-15 1000000 cycles AC-21 500000 cycles AC-23 500000 cycles AC-3
Maximum Operating Rate	2.5 cyc/mn AC-21 2.5 cyc/mn AC-23 2.5 cyc/mn AC-3 8.333 cyc/mn AC-15
Short-Circuit Current	10000 A
Short-Circuit Protection	16 A cartridge fuse, type gG
[Uimp] Rated Impulse Withstand Voltage	4 kV in isolating function 6 kV conforming to IEC 60947-1
Contact Operation	Slow-break
Positive Opening	With

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical Connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm² Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm²
Mechanical Durability	1000000 cycles
Cad Overall Width	55 mm
Cad Overall Height	100 mm
Cad Overall Depth	93 mm

## Environment

Standards	CENELEC EN 50013 EN/IEC 60947-3 for power circuit EN/IEC 60947-5-1 for control circuit
Product Certifications	CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phases 2 pole(s) UL 240 V 1 hp 3 phases UL 240 V 0.33 hp 1 phase 2 pole(s)
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 (f= 10...150 Hz) conforming to IEC 68-2-6
Electrical Shock Protection Class	Class II conforming to IEC 536 Class II conforming to NF C 20-030

## Contractual warranty

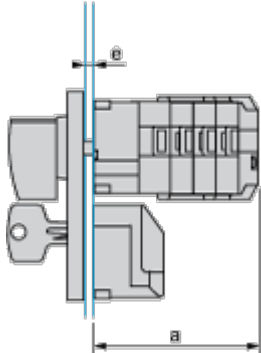
Warranty	18 months
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Dimensions Drawings

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

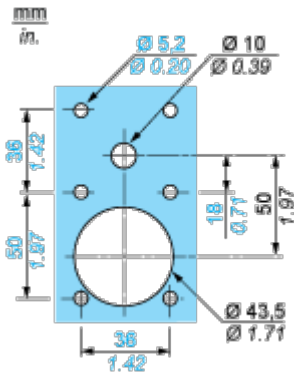


- a 93 mm/3.66 in.
- e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

## Mounting and Clearance

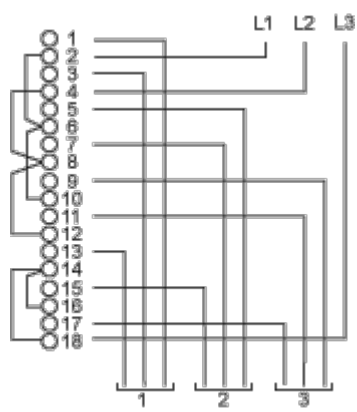
### Operating Head and Body with Plastic Base and Key Locking

### Panel Cut-out



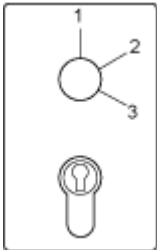
Technical Description

Link Positions (Factory Mounted)



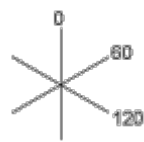
Marking

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Angular Position of Switch

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Switching Program

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0	60	120	
X			1
X			2
			3
			4
	X		5
	X		6
	X		7
		X	8
		X	9
		X	10
		X	11
		X	12
X			13
			14
	X		15
	X		16
		X	17
		X	18



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:

