

# Product data sheet

## Characteristics

### K2B002ALH

cam switch - 2-pole - 45° - 20 A - screw mounting



#### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K2
[I <sub>th</sub> ] conventional free air thermal current	20 A
Product mounting	Front mounting
Fixing mode	Multifixing
Cam switch head type	With front plate 45 x 45 mm
Type of operator	Black handle, length = 35 mm
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	2P
Switching positions	Right: 0° - 45°
IP degree of protection	IP40 conforming to NF C 20-010 IP40 conforming to IEC 529

#### Complementary

Switching angle	45 °
[U <sub>i</sub> ] rated insulation voltage	690 V degree of pollution 3 conforming to IEC 60947-1
[I <sub>the</sub> ] conventional enclosed thermal current	16 A
Electrical durability	600000 cycles AC-21 600000 cycles AC-15 200000 cycles AC-3 200000 cycles AC-23
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	20 A by cartridge fuse, type gG
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to IEC 947-1 4 kV in isolating function
Contacts operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals solid, 1 x 2.5 mm <sup>2</sup> Captive screw clamp terminals flexible, 2 x 1.5 mm <sup>2</sup>
Mechanical durability	1000000 cycles
CAD overall width	45 mm
CAD overall height	45 mm
CAD overall depth	77 mm
Product weight	0.113 kg

## Environment

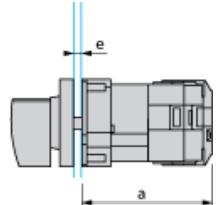
Standards	EN/IEC 60947-5-1 for control circuit EN/IEC 60947-3 for power circuit CENELEC EN 50013
Product certifications	UL 240 V 0.33 hp 1 phase 2 -pole(s) UL 240 V 1 hp 3 phases CSA 240 V 3 hp 3 phases 2 -pole(s) CSA 240 V 1 hp 1 phase
Protective treatment	TC
Ambient air temperature for operation	-25...55 °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

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Operating Head and Body

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Front Mounting "Multi-Fixing"



a 53 mm/2.09 in.

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

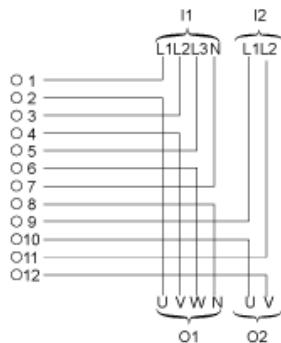
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### Link Positions (Factory Mounted)

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#### Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.



I1 Input 1

I2 Input 2

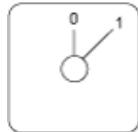
O1 Output 1

O2 Output 2

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### Marking

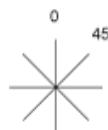
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### Angular Position of Switch

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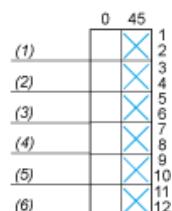
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### Switching Program

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#### 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

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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:

