

# Product data sheet

Specifications



Cam switch, Harmony K, multifixing, plastic, 2 poles, 2 positions, 45°, 20A, 45x45mm, metallic legend, marked 0/1, 35mm black handle

K2B002ALH

## Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K2
[Ith] Conventional Free Air Thermal Current	20 A
Mounting Location	Front
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 IEC 529

## Complementary

Switching Angle	45 °
[Ui] Rated Insulation Voltage	690 V (pollution degree 3) conforming to IEC 60947-1
[Ithe] Conventional Enclosed Thermal Current	16 A
Electrical Durability	200000 cycles AC-23 200000 cycles AC-3 600000 cycles AC-15 600000 cycles AC-21
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	20 A cartridge fuse, type gG
[Uimp] Rated Impulse Withstand Voltage	4 kV in isolating function 6 kV conforming to IEC 947-1
Contact Operation	Slow-break

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

Positive Opening	With
Electrical Connection	Captive screw clamp terminals flexible, clamping capacity: 2 x 1.5 mm <sup>2</sup> Captive screw clamp terminals solid, clamping capacity: 1 x 2.5 mm <sup>2</sup>
Mechanical Durability	1000000 cycles
Cad Overall Width	45 mm
Cad Overall Height	45 mm
Cad Overall Depth	77 mm
Net Weight	0.113 kg

## Environment

Standards	EN/IEC 60947-3 for power circuit EN/IEC 60947-5-1 for control circuit CENELEC EN 50013 GB/T 14048.5 for control circuit GB/T 14048.3 for power circuit
Product Certifications	CSA 240 V 3 hp 3 phases 2 -pole(s) UL 240 V 0.33 hp 1 phase 2 -pole(s) CSA 240 V 1 hp 1 phase UL 240 V 1 hp 3 phases
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 conforming to IEC 68-2-6 (f = 10...150 Hz)
Overvoltage Category	Class II conforming to IEC 536 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 Height	6.500 cm
Package 1 Width	6.500 cm
Package 1 Length	11.000 cm
Package 1 Weight	132.000 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	10
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.463 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	320
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm

Package 3 Weight	54.816 kg
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## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

## Certifications & Standards

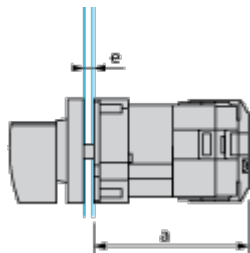
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions Drawings

Operating Head and Body

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Front Mounting "Multi-Fixing"



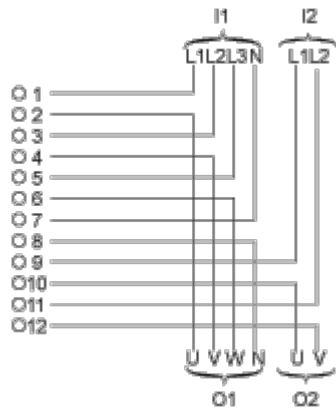
- a 53 mm/2.09 in.
- e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 6-pole Switches

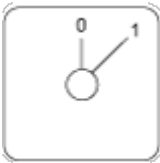
Select the number of poles according to the product characteristics.



- I1    Input 1
- I2    Input 2
- O1    Output 1
- O2    Output 2

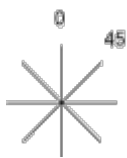
Marking

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Angular Position of Switch

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Switching Program






Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.

	0	45	
(1)		X	1
		X	2
(2)		X	3
		X	4
(3)		X	5
		X	6
(4)		X	7
		X	8
(5)		X	9
		X	10
(6)		X	11
		X	12

- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-pole
- (5) 5-pole
- (6) 6-pole

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:

