

# K2A001ACH

Cam switch, Harmony K, Ø 22mm, plastic, 1 pole, 2 positions, 45°, 20A, 45x45mm, metallic legend, marked 0/1, 35mm black handle



## 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	Ø 22 mm hole
Cam switch head type	With front plate 45 x 45 mm
Type of operator	Black handle 1.38 in (35 mm)
Rotary handle padlocking	Without
Presentation of legend	With metallic, 0 - 1 black
Cam switch function	Switch
Return	Without
Off position	With Off position
Poles description	1P
Switching positions	Right: 0° - 45°
IP degree of protection	IP65 conforming to IEC 529

## Complementary

Switching angle	45 °
[Ui] rated insulation voltage	690 V 3)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 gG
[Uimp] rated impulse withstand voltage	4 kV in isolating function 6 kV IEC 947-1
Contact operation	Slow-break
Positive opening	With
Electrical connection	Captive screw clamp terminals flexible 2 x 1.5 mm <sup>2</sup> Captive screw clamp terminals solid 1 x 2.5 mm <sup>2</sup>
Mechanical durability	1000000 cycles
CAD overall width	1.77 in (45 mm)
CAD overall height	1.97 in (50 mm)
CAD overall depth	1.93 in (49 mm)
Net Weight	0.27 lb(US) (0.123 kg)

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## Environment

Standards	EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit CENELEC EN 50013 GB/T 14048.5 control circuit GB/T 14048.3 power circuit
Product certifications	CSA 240 V 3 hp 3 phase 2[RETURN]JUL 240 V 0.33 hp 1 phase 2[RETURN]CSA 240 V 1 hp 1 phase[RETURN]JUL 240 V 1 hp 3 phase[RETURN]CCC
Protective treatment	TC
Ambient Air Temperature for Operation	-13...131 °F (-25...55 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Shock resistance	30 gn IEC 68-2-27
Vibration resistance	5 gn 10...150 Hz)IEC 68-2-6
Overvoltage category	Class II IEC 536 Class II NF C 20-030

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.93 in (4.900 cm)
Package 1 Width	5.83 in (14.800 cm)
Package 1 Length	2.60 in (6.600 cm)
Package 1 Weight	4.34 oz (123.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	70
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	19.91 lb(US) (9.030 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	560
Package 3 Height	29.53 in (75.000 cm)
Package 3 Width	31.50 in (80.000 cm)
Package 3 Length	23.62 in (60.000 cm)
Package 3 Weight	176.90 lb(US) (80.240 kg)

## Offer Sustainability

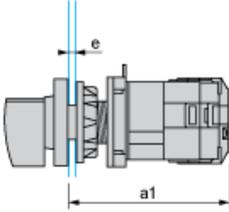
Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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Operating Head and Body with Plastic Base

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Front Mounting by  $\varnothing$  22 mm/0.87 in. Hole

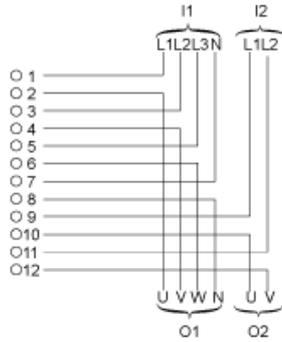


- a1 70.5 mm/2.78 in.
- e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Link Positions (Factory Mounted)

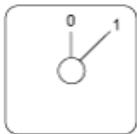
Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.

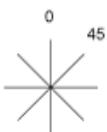


- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

Marking



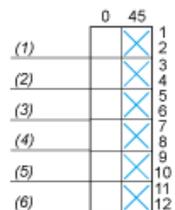
Angular Position of Switch



Switching Program

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  $90^\circ$ , spring return is over  $30^\circ$  after the last position (for a maximum of 3 simultaneous contacts).

Example:

