

K2B002ACH

Cam switch, Harmony K, Ø 22mm, plastic, 2 poles, 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	2P
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 ² Captive screw clamp terminals solid 1 x 2.5 mm ²
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	0.29 lb(US) (0.133 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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 UL 240 V 0.33 hp 1 phase 2 CSA 240 V 1 hp 1 phase UL 240 V 1 hp 3 phase 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

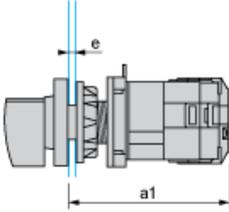
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.64 in (6.700 cm)
Package 1 Width	2.68 in (6.800 cm)
Package 1 Length	4.57 in (11.600 cm)
Package 1 Weight	5.15 oz (146.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	10
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	5.91 in (15.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	3.66 lb(US) (1.662 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
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.

Operating Head and Body with Plastic Base

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

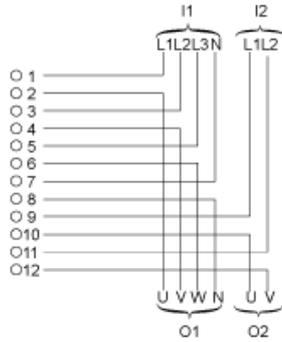


- a1 70.5 mm/2.78 in.
- e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Link Positions (Factory Mounted)

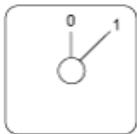
Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics.

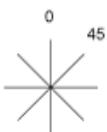


- I1 Input 1
- I2 Input 2
- O1 Output 1
- O2 Output 2

Marking



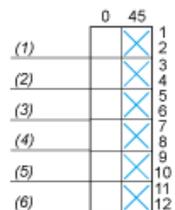
Angular Position of Switch



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

 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:

