Product data sheet
Characteristics

K2C003ALH
cam switch - 3-pole - 45° - 20 A - screw mounting

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	3P
Switching positions	Right: 0° - 45°
IP degree of protection	IP40 conforming to IEC 529 IP40 conforming to NF C 20-010

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
Positive opening	With
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	45 mm
CAD overall height	45 mm
CAD overall depth	87 mm
Net weight	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.
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Environment

Standards	EN/IEC 60947-3 for power circuit EN/IEC 60947-5-1 for control circuit CENELEC EN 50013
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

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
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

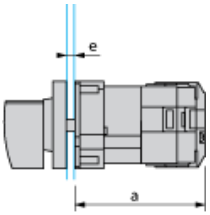
Contractual warranty

Warranty	18 months

K2C003ALH

Operating Head and Body

Front Mounting "Multi-Fixing"

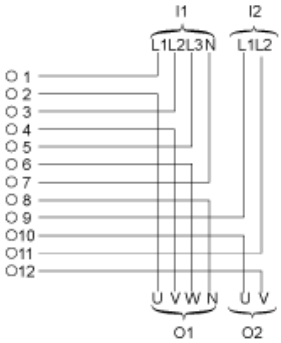


a 63 mm/2.48 in.
e support panel thickness 1 mm to 6 mm./0.039 in. to 0.24 in.

Link Positions (Factory Mounted)

Diagram for 1 to 6-pole Switches

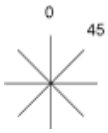
Select the number of poles according to the product characteristics.



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

Marking

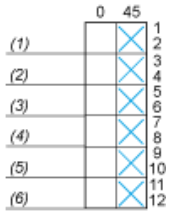
Angular Position of Switch



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

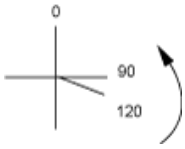
Convention Used for Switching Program Representation

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: