



Main

Range of product	Harmony K
Product or component type	Cam switch body
Component name	K2
[I _{th}] conventional free air thermal current	20 A
Sub-assembly composition	Contact blocks + fixing plate
Cam switch function	Stepping switch
Off position	Without Off position
Poles description	2P
Switching positions	Right: 0° - 45°
Mounting location	Front
Fixing mode	Ø 22 mm hole
Bezel material	Plastic

Complementary

Number of steps	2
Switching angle	45 °
[U _i] rated insulation voltage	690 V 3) IEC 60947-1
[I _{the}] conventional enclosed thermal current	16 A
Rated operational power in W	1300 W AC-3, 230 V 1 phase IEC 947-3 14000 W AC-21, 400 V 3 phase IEC 947-3 17000 W AC-21, 500 - 660 V 3 phase IEC 947-3 2200 W AC-3, 230 V 3 phase IEC 947-3 2200 W AC-3, 400 V 1 phase IEC 947-3 4000 W AC-23A, 230 V 3 phase IEC 947-3 4000 W AC-3, 400 V 3 phase IEC 947-3 4000 W AC-3, 500 V 3 phase IEC 947-3 4000 W AC-3, 690 V 3 phase IEC 947-3 5500 W AC-23A, 400 V 3 phase IEC 947-3 5500 W AC-23A, 500 V 3 phase IEC 947-3 5500 W AC-23A, 690 V 3 phase IEC 947-3 8000 W AC-21, 230 V 3 phase IEC 947-3
[I _e] rated operational current AC	8 A 400 V AC-3 3 phase IEC 947-3 10.8 A 400 V AC-23A 3 phase IEC 947-3 14.6 A 230 V AC-23A 3 phase IEC 947-3 4.7 A 690 V AC-3 3 phase IEC 947-3 6.4 A 690 V AC-23A 3 phase IEC 947-3 6.5 A 500 V AC-3 3 phase IEC 947-3 8.3 A 230 V AC-3 3 phase IEC 947-3 8.9 A 500 V AC-23A 3 phase IEC 947-3 2 A 500 V AC-15 IEC 947-5-1 3 A 400 V AC-15 IEC 947-5-1 4 A 230 V AC-15 IEC 947-5-1
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

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[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
Net Weight	0.24 lb(US) (0.11 kg)

Environment

Standards	EN/IEC 60947-3 power circuit EN/IEC 60947-5-1 control circuit CENELEC EN 50013
Product certifications	CSA 240 V 1 hp 1 phase CSA 240 V 3 hp 3 phase 2 UL 240 V 1 hp 3 phase UL 240 V 0.33 hp 1 phase 2
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

Ordering and shipping details

Category	18406 - WORLD SERVICE PARTS(OTHER OP INT)
Discount Schedule	CS2
GTIN	03389110478853
Nbr. of units in pkg.	1
Package weight(Lbs)	0.24 lb(US) (0.11 kg)
Returnability	No
Country of origin	CZ

Packing Units

Package 1 Height	0.780 dm
Package 1 width	0.650 dm
Package 1 Length	0.650 dm

Offer Sustainability

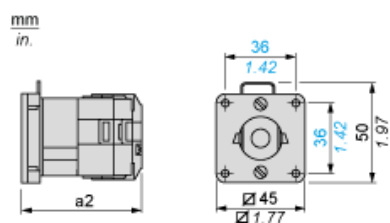
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH free 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
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Body with Plastic Base

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

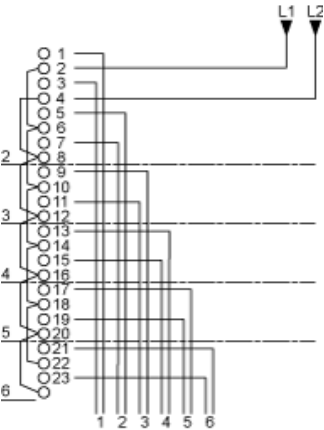


a2 59 mm/2.32 in.

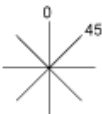
Link Positions (Factory Mounted)

Diagram for 2 to 6-step Stepping Switches

Select the number of steps according to the product characteristics.



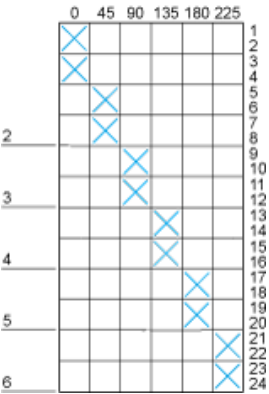
Angular Position of Switch



Switching Program

Diagram for 2 to 6-step Stepping Switches

Select the number of steps according to the product characteristics.



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:

