



### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K63
[Ith] conventional free air thermal current	63 A
Product mounting	Front mounting
Fixing mode	4 holes
Cam switch head type	With front plate 64 x 64 mm
Type of operator	Black handle
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	4P
Switching positions	Right: 0° - 60°
IP degree of protection	IP40 conforming to IEC 529 IP40 conforming to NF C 20-010

### Complementary

Switching angle	60 °
[Ui] rated insulation voltage	690 V (pollution degree 3) conforming to EN 60947-1 690 V (pollution degree 3) conforming to IEC 60947-1
Short-circuit current	10000 A
Short-circuit protection	80 A cartridge fuse, type gG
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 947-1 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 10 mm² Captive screw clamp terminals solid, clamping capacity: 2 x 16 mm²
Tightening torque	2.5 N.m

Switching capacity in mA	20000 mA DC at 140 V 3 contact(s) for inductive load (T = 50 ms) 20000 mA DC at 48 V 1 contact(s) for inductive load (T = 50 ms) 20000 mA DC at 95 V 2 contact(s) for inductive load (T = 50 ms) 30000 mA DC at 120 V 2 contact(s) for resistive load (T = 1 ms) 30000 mA DC at 180 V 3 contact(s) for resistive load (T = 1 ms) 30000 mA DC at 60 V 1 contact(s) for resistive load (T = 1 ms) 55000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms) 55000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms) 55000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms) 63000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms) 63000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms)
Mechanical durability	300000 cycles
CAD overall width	64 mm
CAD overall height	64 mm
CAD overall depth	111 mm
Net weight	0.39 kg

## Environment

Standards	EN/IEC 60947-3
Product certifications	CULus 120 V 3 hp 1 phase CULus 480 V 25 hp 3 phases CULus 240 V 7.5 hp 1 phase CULus 240 V 10 hp 3 phases
Protective treatment	TC
Ambient air temperature for operation	-25...55 °C
Ambient air temperature for storage	-40...70 °C
Electrical shock protection class	Class II conforming to IEC 60536 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 Weight	362 g
Package 1 Height	7.2 cm
Package 1 width	7.2 cm
Package 1 Length	11.5 cm
Unit Type of Package 2	S03
Number of Units in Package 2	30
Package 2 Weight	11.438 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

## Offer Sustainability

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
RoHS exemption information	<a href="#">Yes</a>

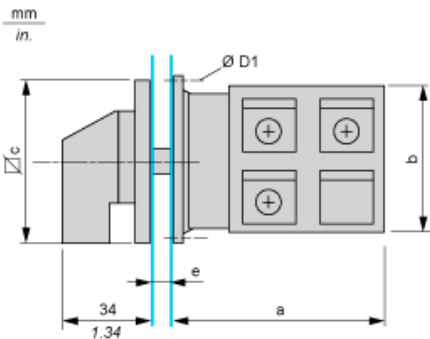
China RoHS Regulation	<a href="#">China RoHS declaration</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which 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>

### Contractual warranty

Warranty	18 months
----------	-----------

Dimensions

Rear Mounting

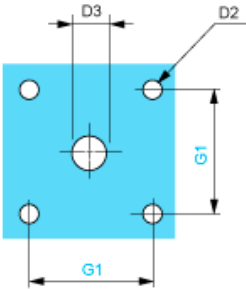


e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
71.3	2.81	66	2.60	64	2.52	5.4	0.21

Panel Cut-Out

Front Mounting

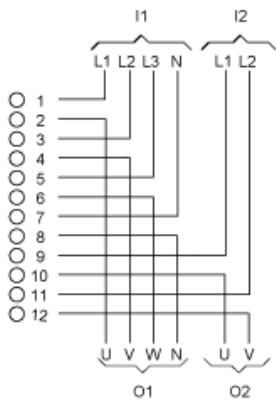


D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

Link Positions (Factory Mounted)

Diagram for 1 to 6-pole Switches

Select the number of poles according to the product characteristics

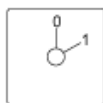


- I1      Input 1
- I2      Input 2
- O1      Output 1
- O2      Output 2

---

Marking

---



Angular Position of Switch





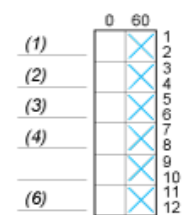
---

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

Example:

