

## K63F013UP

cam changeover switch - 3-pole - 60° - 63 A - screw mounting



### Main

Range of product	Harmony K
Product or component type	Complete cam switch
Component name	K63
[Ith] conventional free air thermal current	63 A
Mounting location	Front
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, 1 - 2 black marking
Cam switch function	Changeover switch
Return	Without
Off position	Without Off position
Poles description	3P
Switching positions	Left: 330° Right: 30°
IP degree of protection	IP40 conforming to IEC 529 IP40 conforming to NF C 20-010

### Complementary

Switching angle	30 °
[Ui] rated insulation voltage	690 V degree of pollution 3 conforming to EN 60947-1 690 V degree of pollution 3 conforming to IEC 60947-1
Short-circuit current	10000 A
Short-circuit protection	80 A by 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, 2 x 10 mm <sup>2</sup> Captive screw clamp terminals solid, 2 x 16 mm <sup>2</sup>
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

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

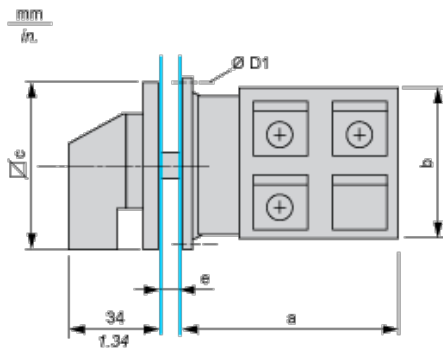
CAD overall depth	132 mm
Product weight	0.59 kg

## Environment

standards	EN/IEC 60947-3
product certifications	CULus 120 V 3 hp 1 phase CULus 240 V 10 hp 3 phases CULus 480 V 25 hp 3 phases CULus 240 V 7.5 hp 1 phase
protective treatment	TC
ambient air temperature for operation	-25...55 °C
ambient air temperature for storage	-40...70 °C
overvoltage category	Class II conforming to IEC 60536 Class II conforming to NF C 20-030

## Dimensions

### Front Mounting

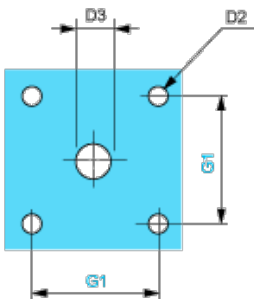


e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in.

a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
92.8	3.65	66	2.60	64	2.52	5.4	0.21

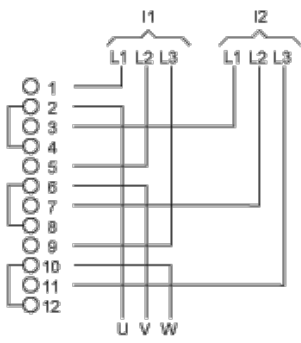
### Panel Cut-Out

#### Front Mounting



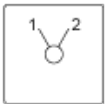
D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

### Link Positions (Factory Mounted)



- I1 Input 1
- I2 Input 2

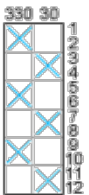
### Marking



### Angular Position of Switch



### Switching Program



### 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:

