

Product datasheet

Specifications



cam changeover switch - 3-pole - 60° - 150 A - screw mounting

K150F003UP

⚠ Discontinued on: 9 Feb 2023

EAN Code: 3389110083392

⚠ Discontinued

Main

Range Of Product	Harmony K
Product Or Component Type	Complete cam switch
Component Name	K150
[Ith] Conventional Free Air Thermal Current	150 A
Mounting Location	Front
Fixing Mode	4 holes
Cam Switch Head Type	With front plate 88 x 88 mm
Type Of Operator	Black handle
Rotary Handle Padlocking	Without
Presentation Of Legend	With metallic legend, 1 - 0 - 2 black marking
Cam Switch Function	Changeover switch
Return	Without
Off Position	With Off position
Poles Description	3P
Switching Positions	Left: 0° - 300° Right: 0° - 60°
Ip Degree Of Protection	IP40 conforming to IEC 60529

Complementary

Switching Angle	60 °
[Ui] Rated Insulation Voltage	690 V (pollution degree 3) conforming to IEC 60947-1
Short-Circuit Current	25000 A
Short-Circuit Protection	200 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: 1 x 50 mm² Captive screw clamp terminals solid, clamping capacity: 1 x 70 mm²
Tightening Torque	2.5 N.m

Disclaimer: 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

Switching Capacity In Ma	150000 mA DC at 140 V 3 contact(s) for resistive load (T = 1 ms) 150000 mA DC at 24 V 1 contact(s) for inductive load (T = 50 ms) 150000 mA DC at 24 V 1 contact(s) for resistive load (T = 1 ms) 150000 mA DC at 48 V 1 contact(s) for resistive load (T = 1 ms) 150000 mA DC at 48 V 2 contact(s) for inductive load (T = 50 ms) 150000 mA DC at 48 V 2 contact(s) for resistive load (T = 1 ms) 150000 mA DC at 70 V 3 contact(s) for inductive load (T = 50 ms) 150000 mA DC at 70 V 3 contact(s) for resistive load (T = 1 ms) 150000 mA DC at 95 V 2 contact(s) for resistive load (T = 1 ms) 50000 mA DC at 30 V 1 contact(s) for inductive load (T = 50 ms) 50000 mA DC at 60 V 2 contact(s) for inductive load (T = 50 ms) 50000 mA DC at 90 V 3 contact(s) for inductive load (T = 50 ms)
Mechanical Durability	300000 cycles
Cad Overall Width	88 mm
Cad Overall Height	88 mm
Cad Overall Depth	172 mm
Net Weight	0.76 kg

Environment

Standards	IEC 60947-3
Product Certifications	CULus 240 V 15 hp 1 phase CULus 240 V 25 hp 3 phases CULus 480 V 40 hp 3 phases CULus 120 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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.8 cm
Package 1 Width	9.8 cm
Package 1 Length	24.0 cm
Package 1 Weight	1.22 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	5
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	6.654 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)

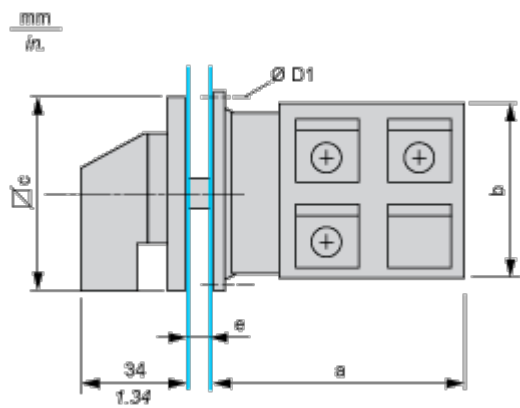
Well-being performance

	Reach Free Of Svhc	
	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes
Reach Regulation		REACH Declaration
Eu Rohs Directive		Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation		China RoHS declaration
Weee		The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions

Front Mounting



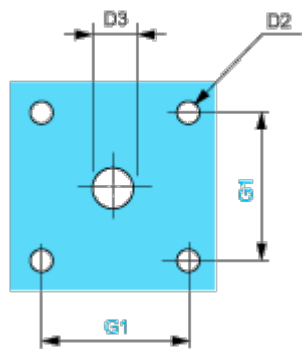
e support panel thickness 0.5 to 5.5 mm / 0.02 to 0.22 in in.

a		b		c		D1	
mm	in.	mm	in.	mm	in.	mm	in.
132.5	5.22	88	3.46	88	3.46	5.4	0.21

Mounting and Clearance

Panel Cut-Out

Front Mounting



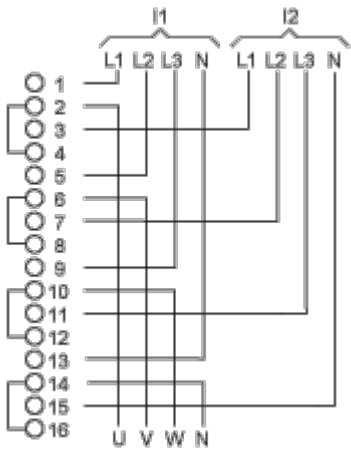
D2		D3		G1	
mm	in.	mm	in.	mm	in.
6	0.24	13	0.51	68	2.68

Technical Description

Link Positions (Factory Mounted)

Diagram for 1 to 4-pole Switches

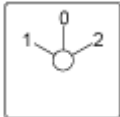
Select the number of poles according to the product characteristics



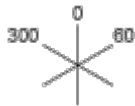
I1 Input 1

I2 Input 2

Marking



Angular Position of Switch



Switching Program

	300	0	60
(1)	X		X
(2)	X		X
(3)	X		X
(4)	X		X

- (1) 1-pole
- (2) 2-pole
- (3) 3-pole
- (4) 4-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:

