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Product data sheet
Characteristics

K63E003WP
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
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, 1 - 0 - 2 black marking
Cam switch function	Reversing 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 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

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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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CAD overall height	64 mm
CAD overall depth	132 mm
Net weight	0.54 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

Offer Sustainability

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
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

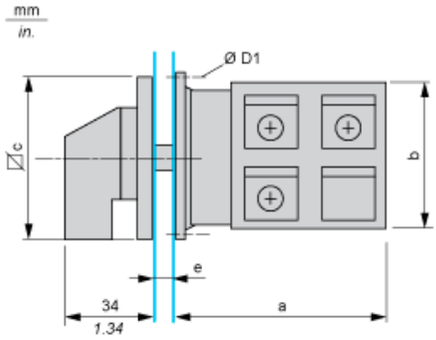
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Product data sheet
Dimensions Drawings

K63E003WP

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.
92.8	3.65	66	2.60	64	2.52	5.4	0.21

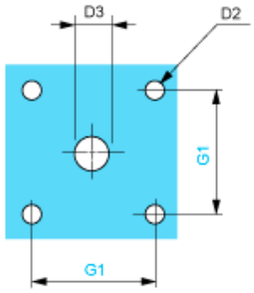
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Product data sheet
Mounting and Clearance

K63E003WP

Panel Cut-Out

Front Mounting



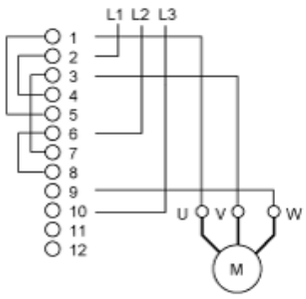
D2		D3		G1	
mm	in.	mm	in.	mm	in.
4.5	0.18	10	0.39	48	1.89

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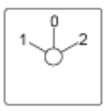
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Product data sheet K63E003WP
Technical Description

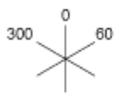
Link Positions (Factory Mounted)



Marking



Angular Position of Switch



Switching Program



Convention Used for Switching Program Representation

Contact closed

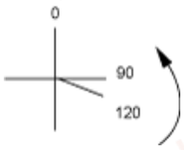
Contact closed in 2 positions and maintained between the 2 positions

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:



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