Your Expert Partner for **Human Machine Interfaces**

Actuator

Distribution by
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51-
135.025D2F



https://digikey.eao.com/p/51-135.025D2F

Your product:



51-135.025D2F
Actuator

FRONT

Front dimension: Ø 25 mm

MOUNTING

Design: flush

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:
250 VAC, 5 A (ohmic)
250 VAC, 2 A (inductive, cos(phi) = 0.7)
125 VAC, 3 A (inductive, cos(phi) = 0.7)
220 VDC, 0.1 A (inductive, L:R = 30 ms)
110 VDC, 0.2 A (inductive, L:R = 30 ms)
60 VDC, 0.7 A (inductive, L:R = 30 ms)
24 VDC, 2 A (inductive, L:R = 30 ms)

Electric strength: 2500 VAC, 50 Hz, 1 min. between all terminals and earth, according to IEC 61058-1, part 15

Protection class: II

Standards: According to EN/IEC 61058-1

Rated Operational Voltage Ue: 250 VAC/DC according to EN IEC 60947-1

Electrical lifetime: 50 000 cycles of operation

Contacts: 1 NC / 1 NO

Thermal current Ith: 5 A, according to EN / IEC 60947-5-1
The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values.

MECHANICAL CHARATERISTIC

Weight: 0.026 kg

Mechanical lifetime: 50 000 cycles of operation

Switching action:	Rest (a) - Maintained (a)
Wire cross section:	Snap-action switching element with tinned soldering terminals at the sides Max. wire diameter 2 wires à 1.2 mm Max. wire cross-section of stranded cable 1 x 1 mm^2
Switching system:	Snap-action switching element
Contact material:	Gold
Switching positions:	2 positions
Terminal:	Soldering terminal
Switching angle:	90° right
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Tightening torque:	Fixing nut max. 0.5 Nm

AMBIENT CONDITION

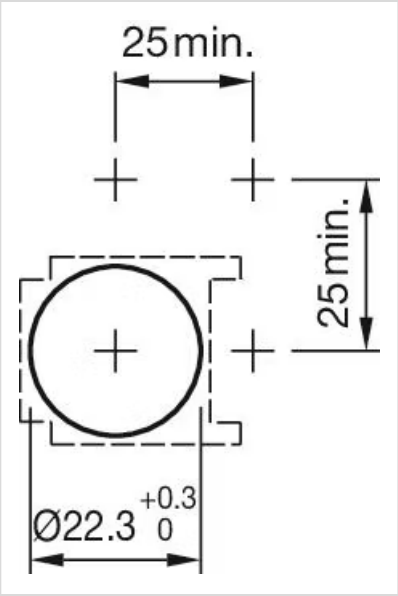
Storage temperature:	– 40 °C ... + 85 °C
Shock resistance:	15 g for 11 ms, as per DIN / EN 60512-4-3, DIN / EN 60068-2-27 (Single impacts, semi-sinusoidal)
IP front protection:	IP65, according to DIN EN 60529
Climate resistance:	Standard condition, as per DIN EN 60068-2-30 Changing condition, as per DIN EN 60068-2-14
Vibration resistance:	10 g at 10 Hz...1500 Hz, amplitude 0.75 mm (Sinusoidal), according to DIN EN 60512-4-4, DIN EN 60068-2-6
Operating temperature:	– 25 °C ... + 55 °C

CERTIFICATE

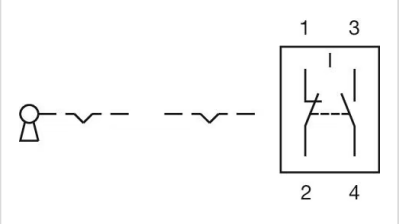
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, ENEC (EN 61058-1), UL

OTHER

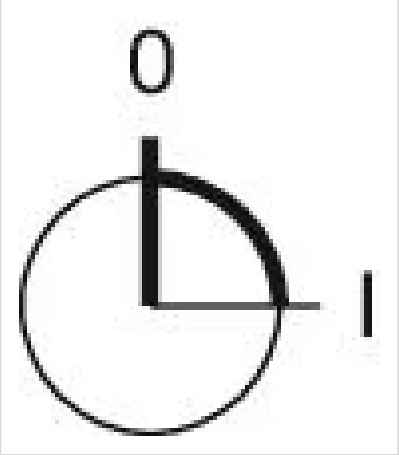
Hints:	Standard lock: DOM 311
max. number of switching elements:	4
Short Description:	Actuator, Ø 25 mm, 1 NC / 1 NO, Rest (a) - Maintained (a), Soldering terminal, IP65, according to DIN EN 60529
Mounting cut-outs:	



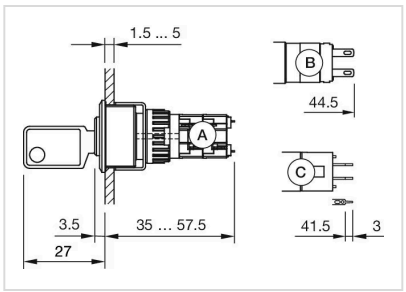
Wiring diagrams:



Switching positions:



Dimension drawings:


1.5 ... 5
A
B
C
44.5
3.5
35 ... 57.5
27
41.5
3