

Actuator

51-
151.0252F

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Your product:



51-151.0252F Actuator

MOUNTING

Design:	Flush
Mounting type:	Panel mounting

OPERATING-/INDICATION PART

Lens illumination:	Illuminated
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ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:	250 VAC, 5 A (ohmic) 250 VAC, 3 A (Soldering terminal) 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)
Contacts:	1 NC / 1 NO
Rated Operational Voltage U_e:	250 VAC/DC according to EN IEC 60947-1
Switching rating:	250 V @ 3 A
Electrical lifetime:	50 000 cycles of operation
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
Thermal current I_{th}:	The maximum current in continuous operation and at ambient temperature not exceeding the quoted maximum values. 3 A

MECHANICAL CHARACTERISTICS

Terminal:	Soldering terminal
Contact material:	Gold
Switching action:	Momentary
Switching system:	Snap-action switching element
Switching system:	Self-cleaning, double-break snap action switching system, 1 normally closed and 1 normally open contact per element.
Mechanical lifetime:	2 Mil. cycles of operation
Operating force:	1,8 ... 6 N, depending on the number of switching elements
Operating Travel:	3 mm
Tightening torque:	Fixing nut max. 0.5 Nm
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
Weight:	0.005 kg

AMBIENT CONDITION

IP front protection:	IP65, according to DIN EN 60529
Operating temperature:	– 25 °C ... + 55 °C, mounted as a block, make sure the heat can escape freely
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)
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
Climate resistance:	Standard condition, as per DIN EN 60068-2-30 Changing condition, as per DIN EN 60068-2-14

CERTIFICATE

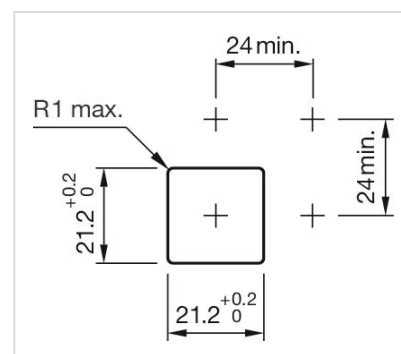
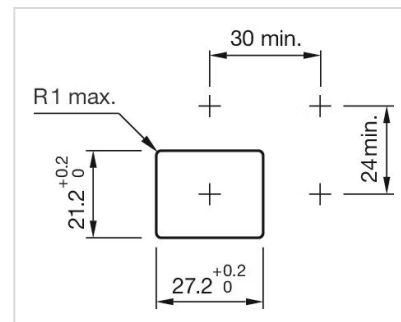
Approbations:	CB (IEC 61058-1), CQC, CSA, DNV, EAC, ENEC (EN 61058-1), UL, VDE
Conformities:	CE, UKCA, 2011 / 65 / EC (RoHS), 2014 / 30 / EU (EMC), 2014 / 35 / EU (LVD)
REACH:	REACH compliant
RoHS:	RoHS compliant

OTHER

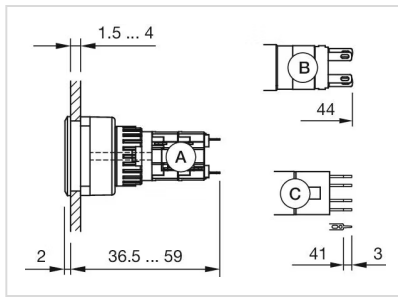
Short Description:	Actuator, Illuminated, 1 NC / 1 NO, Momentary, Soldering terminal, IP65, according to DIN EN 60529
Housing colour:	Black

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Technical drawing of a hole in a plate. The hole is circular with a diameter of $\varnothing 22.3^{+0.3}_0$. The plate has a width of 25 mm and a height of 25 mm. The hole is positioned 25 mm from the left edge and 25 mm from the bottom edge. The drawing includes dimension lines and arrows indicating the measurements.



Dimension drawings:



A = Solder terminal

B = Plug-in terminal 2.8 mm x 0.5 mm

C = Universal terminal 2.0 mm x 0.5 mm