

Actuator

14-
272.0252

Distribution by
Mouser



<https://mouser.eao.com/p/14-272.0252>

Your product:



14-272.0252

Actuator

FRONT

Front form: Round

MOUNTING

Mounting type: Panel mounting

OPERATING-/INDICATION PART

Lens illumination: Illuminated

ELECTRICAL CHARACTERISTICS

Switching voltage and switching current:

- 250 VAC, 5 A (ohmic)
- 250 VAC, 3 A (Soldering terminal)
- 250 VAC, 2 A (inductive, $\cos(\phi) = 0.7$)
- 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: 2 NC / 2 NO

Rated Operational Voltage U_e : 250 VAC/DC according to EN IEC 61058-1

Switching rating: 250 V @ 3 A

Electrical lifetime: 50 000 cycles of operation

Electric strength: 3000 VAC, 50 Hz, 1 min. between all terminals and earth, according to EN/IEC 61058-1

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 CHARACTERISTIC

| | |
|-----------------------------|--|
| Terminal: | Soldering terminal |
| Contact material: | Gold |
| Switching action: | Maintained |
| 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: | 1 Mil. cycles of operation |
| Operating force: | 5 N ... 8 N, depending on the number of switching elements |
| Operating Travel: | 3 mm |
| Tightening torque: | Fixing nut max. 0.25 Nm |
| Weight: | 0.015 kg |

AMBIENT CONDITION

| | |
|-------------------------------|---|
| IP front protection: | IP67, 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: | Max. 150 m / s ² , pulse width 11 ms, 3-axis, (semi-sinusoidal as per EN IEC 60068-2-27) |
| Vibration resistance: | Max. 100 m / s ² from 10 Hz ... 500 Hz, (sinusoidal EN IEC 60068-2-6) |
| Climate resistance: | Standard condition, as per DIN EN 60068-2-78 Standard cyclic, as per DIN IEC 60068-2-30 |

CERTIFICATE

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

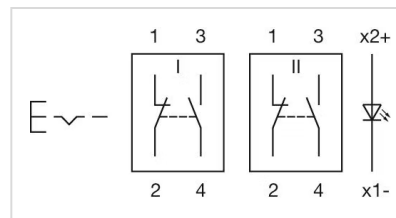
OTHER

| | |
|---------------------------|--|
| Short Description: | Actuator, Illuminated, Round, 2 NC / 2 NO, Maintained, Soldering terminal, IP67, according to DIN EN 60529 |
| Housing colour: | Black |

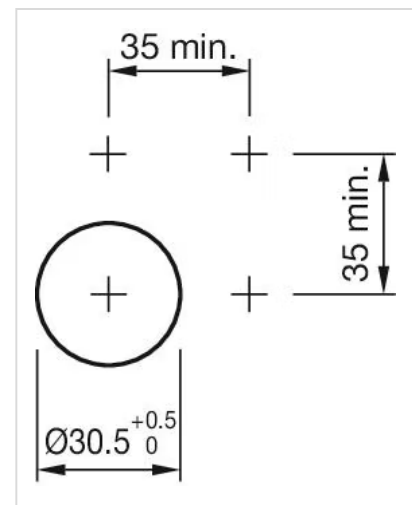
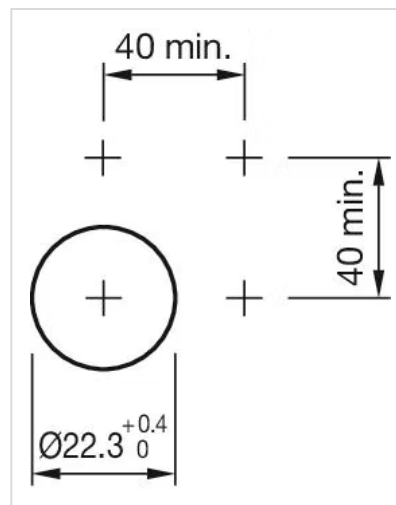
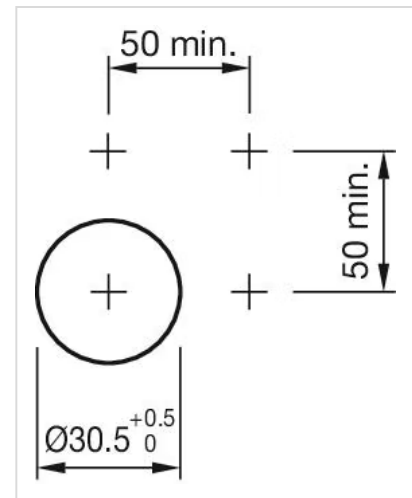
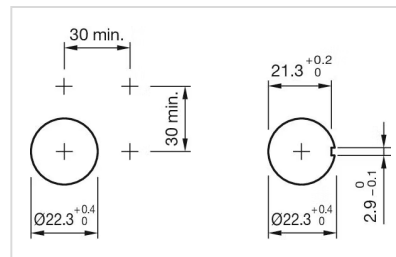
max. number of switching
elements:

4

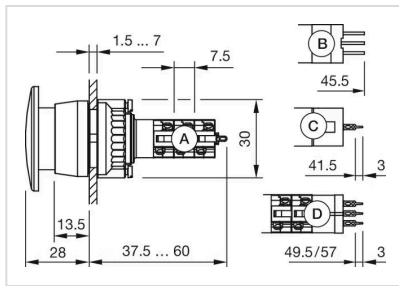
Wiring diagrams:



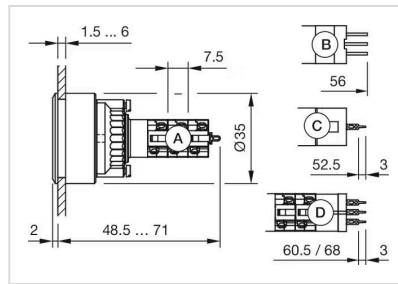
Mounting cut-outs:



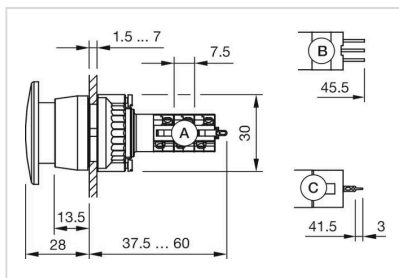
Dimension drawings:



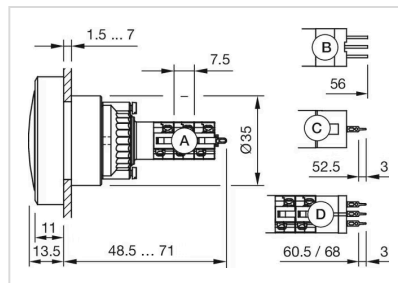
A = Solder terminal
 B = Plug-in terminal 2.8 x 0.5 mm
 C = Universal terminal 2.0 mm x 0.5 mm
 D = Universal-Solder terminal



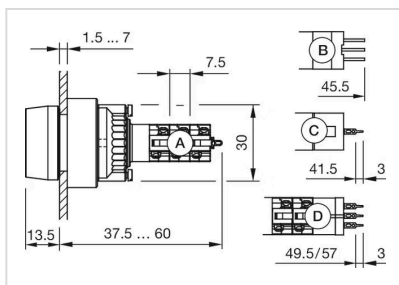
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