Technical Data

Plastic bodied limit switch



Series 188

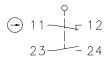
Description

I88-U1Z DGHW RO22 270GR RO22

Article number

6186121669

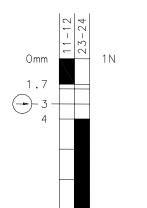
Operating symbol



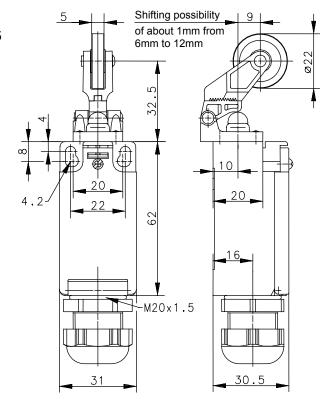
Fixed positioning for safety applications

Mounting screw according to DIN 912 M5

Operating diagram (position of actuator: 9mm)



21.5



12mm

Tolerance:

Operating point ± 0,25mm;

n Off Actuating force ± 10%

6.5N

| Electrical data | | |
|---------------------------------|------------------|---|
| Rated insulation voltage | Ui | 250V AC |
| Conv. thermal current | I _{the} | 10A |
| Rated operational voltage | U_e | 240V |
| Utilization category | | AC-15, U _e /I _e 240V/3A |
| Direct opening action | \odot | acc. to IEC/EN 60947-5-1, Annex K |
| Short-circuit protective device | | Fuse 10A gL/gG |
| Protection class | | II, totally insulated |

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| Mechanical data | |
|--------------------------|--|
| Enclosure | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Cover | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Actuator | Lever with roller (thermoplastic) |
| Ambient air temperature | -30°C +80°C |
| Contact type | 1 NC, 1 NO (Zb) |
| Mechanical life | 10 x 10 ⁶ switching cycles |
| Switching frequency | ≤ 100/min |
| Assembly | 2 x M4 |
| Connection | 4 screw connections (M3,5) |
| Conductor cross-sections | Solid: 0.5 1.5mm ² |
| | Litz wire with ferrules: 0.5 1.5mm ² |
| Cable entrance | cable gland M20x1.5 |
| | (clamp-range 5 – 10mm) |
| Weight | ≈ 0,07kg |
| Installation position | Operator definable |
| Protection type | IP67 acc. to EN 60529; DIN VDE 0470 T1 |

Actuation

The actuating device is preferably started from 2 sides.

By loosening the 4 screws the actuation assembly can be rotated in 90 degree increments such that 4 actuation directions are possible.

The actuation assembly is to be again fastened to the housing using the 4 screws.

| Standards | VDE 0660 T100, DIN EN 60947-1, IEC 60947-1 |
|---------------|--|
| | VDE 0660 T200, DIN EN 60947-5-1, IEC 60947-5-1 |
| EU Conformity | C€ |
| Approvals | cCSAus A300 (same polarity) |

Notes

The specified protection classification (IP code) applies only when the cover is closed and the appropriate cable is used, in accordance with the clamping range of the above mentioned cable gland.

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