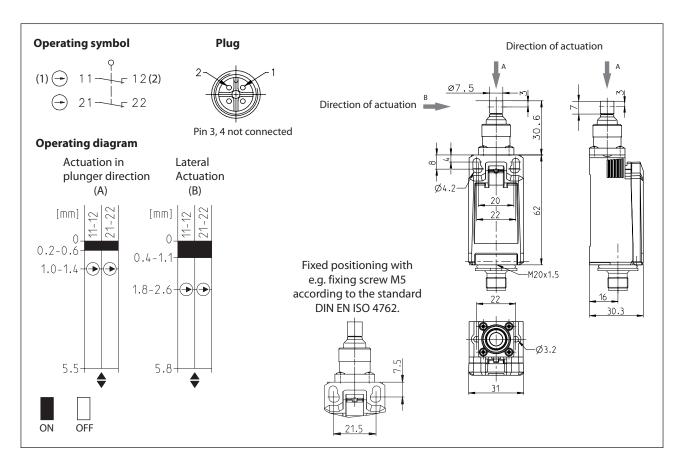


Plastic bodied limit switch

Series IN62

Description IN62-A2Z FF M12

Article number 6183000312



| Electrical Data | | |
|---|-----------|---|
| Rated insulation voltage | Ui | 250 V |
| Rated impulse withstand voltage | U_{imp} | 2,5 kV |
| Rated operational voltage | U_{e} | 240 V AC / 24 V DC |
| Rated supply frequency AC | | 50 / 60 Hz |
| Overvoltage category | | II acc. EN 60947-1 annex H table H1 |
| Conv. thermal current | I_{the} | 4 A |
| Minimum current | | 1 mA |
| Utilization category | | AC 15, U _e /I _e 240 V / 3 A |
| Direct opening action | Θ | acc. IEC/EN 60947-5-1, annex K |
| Short-circuit protective device | | Fuse 3 A gG |
| Rated conditional short-circuit current | | 400 A |
| Max. contact resistance | | 25 mOhm (unused) |
| Protection class | | II, totally insulated |

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Technical Data



| Mechanical data | | |
|------------------------------------|---------|---|
| Enclosure | | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Cover | | Thermoplastic, glass fibre reinforced (UL 94-V0) |
| Actuator | | Wobble stick with plastic slide |
| Actuating force | F_{B} | $10 \text{ N} \le \text{F}_{\text{B}} \le 30 \text{ N}$ |
| Operating temperature | | -30 °C +75 °C |
| Storage temperature | | -40 °C +80 °C |
| Protection type | | IP67 acc. EN 60529 |
| Pollution degree (built-in switch) | | 3 |
| Contact material | | silver |
| Device Class (built-in switch) | | Category E (MC3+CC2+SC1) acc. EN 60947-1 annex Q |
| Contact type | | 2 N.C. |
| Operating rate | V | $0,06 \text{ m/min} \le \text{V} \le 30 \text{ m/min}$ |
| Bounce duration | ms | < 3 ms |
| Switchover time | ms | < 8 ms |
| Switching frequency | | ≤ 60 / min. |
| Mechanical life | | 10 x 10 ⁶ operating cycles |
| Mission time | | ≤ 20 years |
| Connection | | Connector M12x1, A-coded |
| Cable entrance | | 1 x M20 x1,5 |
| Weight | | ≈ 0,06 kg |
| Installation position | | operator definable |

| ID for safety engineering | |
|---------------------------|----------------------------|
| B10d | 2 x 10 ⁶ cycles |
| | |

| Standards | |
|-----------|--------------------------|
| | DIN EN 60947-5-1 |
| | UL 508 / CSA C22.2 No.14 |
| | DIN EN ISO 13849-1 |
| | |

EU Conformity

acc. to directive 2014/35/EU (Low-Voltage-Directive)

Notes

The degree of protection specified (IP code) applies only to a properly closed cover and the use of an equivalent connector. The connector and the cable (fix or flexible mounted) must at least be suitable for the described ambient air temperatures. The connector must not be connected or disconnected when voltage is applied. The mechanical life of the connector is 100 connection cycles.

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