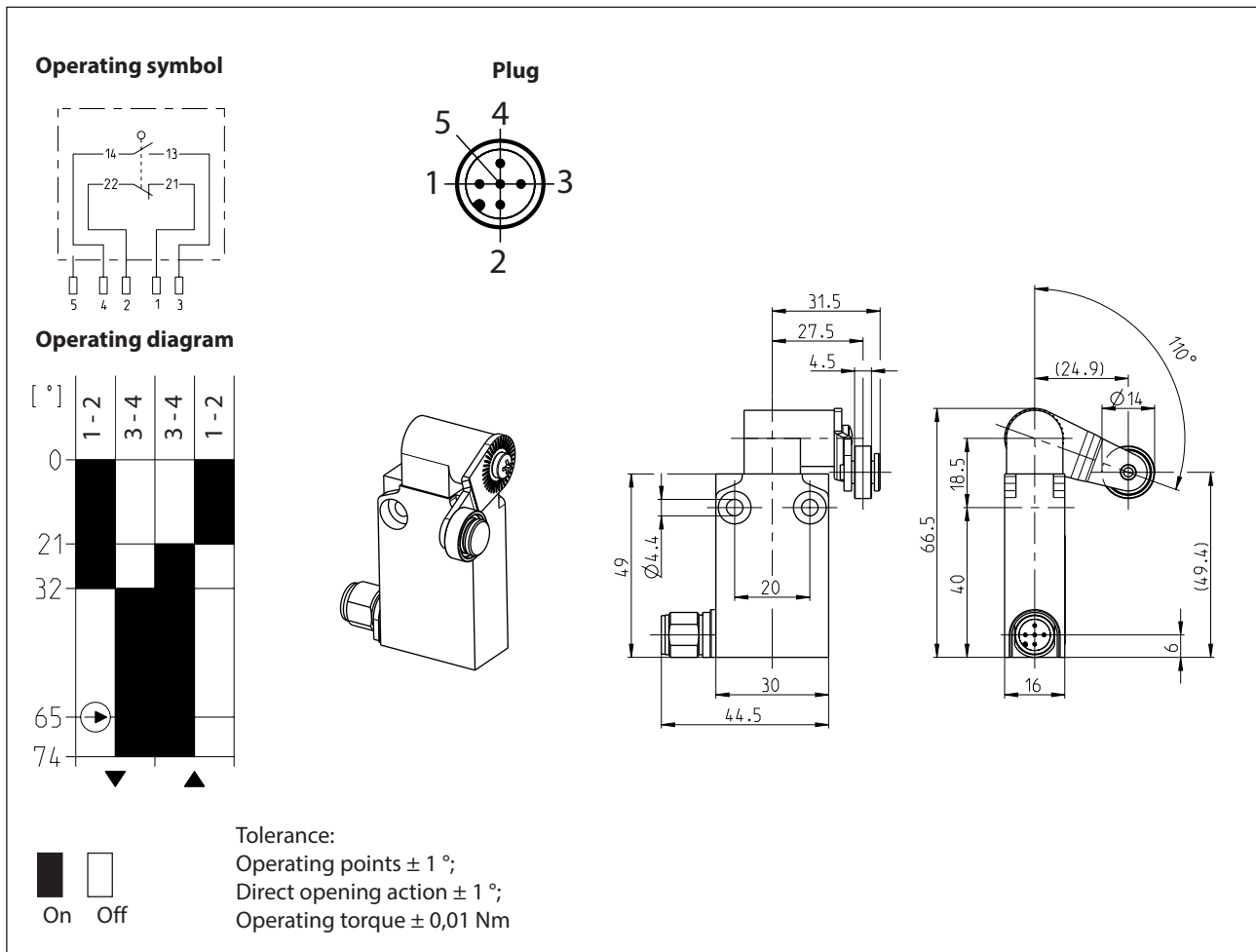


Plastic bodied limit switch Series I49

Description **I49-SU1Z AH M12**

Article number **6189185085**



| Electrical Data | |
|--|---|
| Rated insulation voltage acc. to DIN EN 60947-1 | U_i 250 V (degree of pollution 3) |
| Conv. thermal current acc. to IEC 947-5-1 and DIN EN 60947-5-1) $0 < 40^\circ \text{C}$ | I_{the} 4 A |
| Rated operational voltage | U_e 240 V |
| Utilization category | AC-15, 24 V - 4 A / 240 V - 3 A DC-13, 24 V - 2.8 A / 250 V - 0.27 A |
| Direct opening action | \ominus acc. to IEC/EN 60947-5-1 |
| Short-circuit protective device $U_e < 500 \text{ V a.c.}$ - gG type fuses | Fuse 4 A gG |
| Protection class | II, totally insulated |

| Mechanical data | |
|-----------------------------|---|
| Enclosure | Pre-wired - IP67 - Plastic housing - Width 30mm |
| Actuator | Plunger (nikel -plated), roller Ø14 mm (nylon), lever (galvanized) – Head 90° - Lever 70° |
| Ambient air temperature | |
| -during operation | -25 °C ... +70 °C |
| -for storage | -40 °C ... +70 °C |
| Contact type | Snap action, 1 NO, 1 NC |
| Mechanical life | 10 x 10 ⁶ switching cycles |
| Switching frequency | 3600 / h |
| Velocity for actuating | 1,5 m/s |
| Resistance between contacts | < 25 mΩ |
| Connection | M12 male connector |
| Installation position | All positions are authorized |
| Protection type | IP67 acc. to IEC/EN 60529 |

| ID for safety engineering | |
|---------------------------|-----------------------------|
| B10d | 20 x 10 ⁶ cycles |

| Standards | |
|-----------|--------------------|
| | DIN EN 60947-5-1 |
| | DIN EN ISO 13849-1 |

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