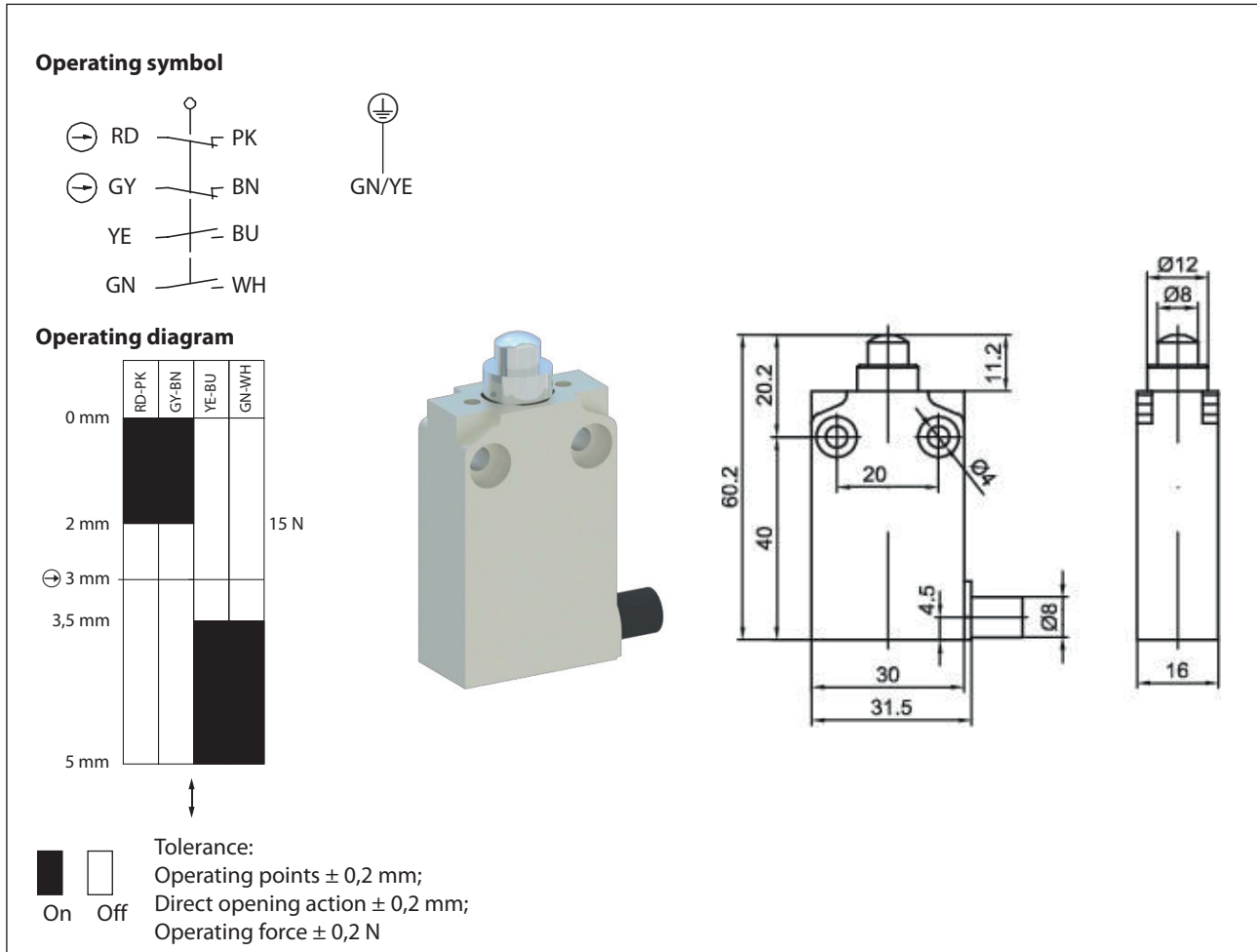


# Metal bodied limit switch

## Series M49

Description **M49-U2Z IW**

Article number **602300009**



| Electrical Data   |  |
|---|--|
| Rated insulation voltage  | $U_i$ 250 V                              |
| Conv. thermal current   | $I_{the}$ 4 A                            |
| Rated operational voltage   | $U_e$ 240 V AC / 24 V DC                 |
| Utilization category  | AC-15, 240 V / 3 A;<br>DC-13, 24 V / 2 A |
| Direct opening action   | $\ominus$ 30 N acc. to IEC/EN 60947-5-1  |
| Short-circuit protective device<br>$U_e < 500$ V a.c. - gG type fuses | Fuse 4 A gG                              |
| Protection class  | I  |

| Mechanical data             |   |
|-----------------------------|---|
| Enclosure                   | Zn die-casting, powder coated, RAL 7001 (silver gray) |
| Actuator                    | Plunger (nickel plated brass)                         |
| Ambient air temperature     |   |
| -during operation           | -25 °C ... +70 °C                                     |
| -for storage                | -40 °C ... +70 °C                                     |
| Contact type                | Slow action, 2 N.C. (Form Zb), 2 N.O.                 |
| Mechanical life             | 10 x 10 <sup>6</sup> switching cycles                 |
| Switching frequency         | 3600 / h  |
| Velocity for actuating      | 0,5 m/s   |
| Resistance between contacts | < 25 mΩ   |
| Connection                  | PVC 9 x AWG 22 UL cable, 1m length                    |
| Weight                      | 0,175 kg  |
| Installation position       | All positions are authorized                          |
| Protection type             | IP67 acc. to IEC/EN 60529                             |

| ID for safety engineering |                      |
|---------------------------|----------------------|
| B10d                      | 20 x 10 <sup>6</sup> |

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

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

| Approvals |                                |
|-----------|--------------------------------|
|           | cUL <sub>US</sub> (B300, R300) |
|           | CCC                            |

| Notes |  |
|-------|--|
|       | Type 4 -X – 6 enclosure (“indoor use only”) acc. to UL50 |