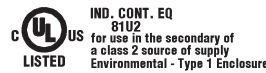


1) Active surface

- PNP
- Normally open (NO)
- 3.00 mm
- Flush (shielded)
- Connector, M08x1-S49



General attributes

| | |
|------------------------------|------------------------------|
| Approvals / Conformity | CE cULus IEC 60947-5-2 |
| Basic standard | IP67 |
| Enclosure Type per IEC 60529 | Yes |
| Function indicator | ■■■ |
| Operating distance marking | Yes |
| Polarity reversal protected | No |
| Power indicator | Yes |
| Short circuit protected | Yes |

Electrical attributes

| | |
|--|--------------------|
| Connection type | Connector |
| Eff. operating current Ie | 200 mA |
| Eff. operating voltage Ue DC | 24.0 V |
| Electrical version | DC, direct current |
| Load capacitance max. (at Ue) | 0.500 µF |
| Max. no-load cur. I _o undamped | 8.0 mA |
| Minimum operating current I _m | 0 mA |
| No-load current I _o damped max. | 12.0 mA |
| Operating voltage UB max. DC [V] | 30.0 V |
| Operating voltage UB min. DC [V] | 10.0 V |
| Rated insulation voltage Ui | 75 VDC |

| | |
|--------------------------------|--------------------|
| Rated short circuit current | 100 A |
| Ripple max. (% of Ue) | 15 % |
| Switching freq. f max. (at Ue) | 1000 Hz |
| Switching function | Normally open (NO) |
| Switching output | PNP |
| Voltage drop static max. | 2.5 V |

Mechanical attributes

| | |
|----------------------------------|------------------|
| Ambient temperature Ta max. | 70 °C |
| Ambient temperature Ta min. | -25 °C |
| Assured operating distance Sa | 2.40 mm |
| Connector type | M08x1-S49 |
| Depth | 8.0 mm |
| Eff. operating distance Sr | 3.00 mm |
| Height (small side) | 8.0 mm |
| Housing material | GD-ZnAl |
| Mech. installation condition | Flush (shielded) |
| Rated operating distance Sn [mm] | 3.00 mm |
| Sensing face material | PBT |
| Width (long side) | 59.0 mm |

Additional text

The sensor is functional again after the overload has been eliminated.

