



- Polarized
- Normally open (NO)
- 3.00 mm
- Flush (shielded)
- Connector, M12x1-S04



General attributes

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

Electrical attributes

| | |
|--|--------------------|
| Connection type | Connector |
| Eff. operating current I _e | 100 mA |
| Eff. operating voltage U _e DC | 24.0 V |
| Electrical version | DC, direct current |
| Load capacitance max. (at U _e) | 1.000 µF |
| Minimum operating current I _m | 5 mA |
| Operating voltage U _B max. DC [V] | 33.0 V |
| Operating voltage U _B min. DC [V] | 10.0 V |
| Rated insulation voltage U _i | 75 VDC |
| Rated short circuit current | 100 A |
| Ripple max. (% of U _e) | 15 % |

| | |
|---|--------------------|
| Switching freq. f max. (at U _e) | 1300 Hz |
| Switching function | Normally open (NO) |
| Switching output | Polarized |
| Voltage drop static max. | 4.0 V |

Mechanical attributes

| | |
|--|---------------------|
| Ambient temperature T _a max. | 70 °C |
| Ambient temperature T _a min. | -25 °C |
| Assured operating distance S _a | 2.40 mm |
| Connector type | M12x1-S04 |
| Depth | 50.0 mm |
| Diameter d1 | M12x1 |
| Eff. operating distance S _r | 3.00 mm |
| Housing material | CuZn |
| Mech. installation condition | Flush (shielded) |
| Mounting length | 35.5 mm |
| Rated operating distance S _n [mm] | 3.00 mm |
| Sensing face material | PA 12 |
| Surface protection | Nickel-free coating |
| Tightening torque | 15 Nm |

Additional text

Specify maximum attainable switching frequency (not per IEC 60947-5-2)
The sensor is functional again after the overload has been eliminated.

