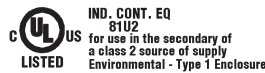


- PNP
- Normally open (NO)
- 4.00 mm
- Non embeddable
- Connector, M12x1-S04



**General attributes**

Approvals / Conformity

CE  
cULus  
EAC  
IEC 60947-5-2  
IP68 according to BWN PR 20  
Yes  
Yes  
No  
II  
Yes  
830 a

Basic standard

Enclosure Type per IEC 60529

Function indicator

Polarity reversal protected

Power indicator

Protection Class

Short circuit protected

MTTF

**Electrical attributes**

Connection type

Eff. operating current I<sub>e</sub>

Eff. operating voltage U<sub>e</sub> DC

Electrical version

Load capacitance max. (at U<sub>e</sub>)

Max. no-load cur. I<sub>o</sub> undamped

Minimum operating current I<sub>m</sub>

No-load current I<sub>o</sub> damped max.

Operating voltage U<sub>B</sub> max. DC [V]

Operating voltage U<sub>B</sub> min. DC [V]

Rated insulation voltage U<sub>i</sub>

Rated short circuit current

Ripple max. (% of U<sub>e</sub>)

Switching freq. f max. (at U<sub>e</sub>)

Connector  
200 mA  
24.0 V  
DC, direct current  
0.500 µF  
4.0 mA  
0 mA  
10.0 mA  
30.0 V  
10.0 V  
250 VAC  
100 A  
15 %  
2000 Hz

Switching function

Switching output

Voltage drop static max.

Normally open (NO)

PNP

2.0 V

**Mechanical attributes**

Ambient temperature T<sub>a</sub> max.

Ambient temperature T<sub>a</sub> min.

Assured operating distance S<sub>a</sub>

Connector type

Depth

Diameter d<sub>1</sub>

Eff. operating distance S<sub>r</sub>

Housing material

Mech. installation condition

Mounting length

Rated operating distance S<sub>n</sub> [mm]

Sensing face material

Surface protection

Tightening torque

70 °C

-25 °C

3.20 mm

M12x1-S04

49.5 mm

M12x1

4.00 mm

CuZn

Non embeddable

29.5 mm

4.00 mm

PBT

Nickel-plated

15 Nm

**Remarks**

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

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

