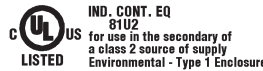


- PNP
- Normally open (NO)
- 8.00 mm
- Non embeddable
- Connector, M12x1-S04



**General attributes**

Additional features

Approvals / Conformity

Basic standard  
Enclosure Type per IEC 60529  
Function indicator  
Magnetic field immune  
Operating distance marking  
Polarity reversal protected  
Power indicator  
Protection Class  
Short circuit protected  
Trademark

**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>)  
Magnetic field strength  
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]

Weld-spatter resistant  
Factor 1  
CE  
cULus  
EAC  
IEC 60947-5-2  
IP67  
Yes  
immune to magnetic DC and AC fields  
■ ■  
Yes  
No  
II  
Yes  
Factor 1

Connector  
200 mA  
24.0 V  
DC, direct current  
1.000 µF  
100 kA/m  
10.0 mA  
0 mA  
15.0 mA  
30.0 V

Operating voltage U<sub>B</sub> min. DC [V] 10.0 V  
Rated insulation voltage U<sub>i</sub> 250 VAC  
Rated short circuit current 100 A  
Ripple max. (% of U<sub>e</sub>) 10 %  
Switching freq. f max. (at U<sub>e</sub>) 2000 Hz  
Switching function Normally open (NO)  
Switching output PNP  
Voltage drop static max. 2.5 V

**Mechanical attributes**  
Ambient temperature T<sub>a</sub> max. 70 °C  
Ambient temperature T<sub>a</sub> min. -25 °C  
Assured operating distance S<sub>a</sub> 6.50 mm  
Connector type M12x1-S04  
Depth 65.0 mm  
Diameter d1 M12x1  
Eff. operating distance S<sub>r</sub> 8.00 mm  
Housing material CuZn  
Mech. installation condition Non embeddable  
Mounting length 40.0 mm  
Rated operating distance S<sub>n</sub> [mm] 8.00 mm  
Sensing face material LCP + PTFE  
Surface protection PTFE coating  
Tightening torque 8 Nm

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

