



- NPN
- Normally open (NO)
- 4.00 mm
- Flush (shielded)
- Cable, PVC, 2.00 m

**General attributes**

## Approvals / Conformity

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

cULus  
CE  
IEC 60947-5-2  
IP68 according to BWN PR 20  
Yes  
■ ■  
Yes  
No  
II  
Yes  
GLOBAL

**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>)

Cable  
200 mA  
24.0 V  
DC, direct current  
0.500 µF  
5.0 mA  
0 mA  
14.0 mA  
30.0 V  
12.0 V  
250 VAC  
100 A  
15 %  
300 Hz

## Switching function

Switching output  
Voltage drop static max.

## Normally open (NO)

NPN  
2.5 V

**Mechanical attributes**

Ambient temperature T<sub>a</sub> max.  
Ambient temperature T<sub>a</sub> min.  
Assured operating distance S<sub>a</sub>  
Cable diameter D max.  
Cable jacket material  
Cable length  
Conductor cross-section  
Depth  
Diameter d1  
Eff. operating distance S<sub>r</sub>  
Housing material  
Mech. installation condition  
Mounting length  
Number of conductors  
Rated operating distance S<sub>n</sub> [mm]  
Sensing face material  
Surface protection  
Tightening torque

70 °C  
-25 °C  
3.20 mm  
4.6 mm  
PVC  
2.00 m  
0.34 mm<sup>2</sup>  
53.0 mm  
M12x1  
4.00 mm  
CuZn  
Flush (shielded)  
50.0 mm  
3  
4.00 mm  
LCP  
Nickel-plated  
10 Nm / 15 Nm

**Additional text**

Embeddable: See installation notes for inductive sensors with extended switching distance 825357.  
The sensor is functional again after the overload has been eliminated.

