



- PNP
- Normally open (NO)
- 2.00 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  
Short circuit protected  
Trademark  
MTTF

CE  
cULus  
EAC  
IEC 60947-5-2  
IP67  
Yes  
■ ■  
Yes  
No  
Yes  
GLOBAL  
880 a

**Electrical attributes**

Connection type  
Eff. operating current  $I_e$   
Eff. operating voltage  $U_e$  DC  
Electrical version  
Load capacitance max. (at  $U_e$ )  
Max. no-load cur.  $I_o$  undamped  
Minimum operating current  $I_m$   
No-load current  $I_o$  damped max.  
Operating voltage  $U_B$  max. DC [V]  
Operating voltage  $U_B$  min. DC [V]  
Rated insulation voltage  $U_i$   
Rated short circuit current  
Ripple max. (% of  $U_e$ )  
Switching freq.  $f$  max. (at  $U_e$ )  
Switching function  
Switching output  
Voltage drop static max.

Cable  
200 mA  
24.0 V  
DC, direct current  
1.000  $\mu$ F  
5.0 mA  
0 mA  
10.0 mA  
30.0 V  
12.0 V  
75 VDC  
100 A  
15 %  
700 Hz  
Normally open (NO)  
PNP  
2.5 V

**Mechanical attributes**

Ambient temperature  $T_a$  max.  
Ambient temperature  $T_a$  min.  
Assured operating distance  $S_a$   
Cable diameter  $D$  max.  
Cable jacket material  
Cable length  
Conductor cross-section  
Depth  
Diameter  $d_1$   
Eff. operating distance  $S_r$   
Housing material  
Mech. installation condition  
Mounting length  
Number of conductors  
Rated operating distance  $S_n$  [mm]  
Sensing face material  
Surface protection  
Tightening torque

70 °C  
-25 °C  
1.60 mm  
3.0 mm  
PVC  
2.00 m  
0.14 mm<sup>2</sup>  
50.0 mm  
M08x1  
2.00 mm  
CuZn  
Flush (shielded)  
50.0 mm  
3  
2.00 mm  
PA 12  
Nickel-plated  
3 Nm

**Remarks**

The sensor is functional again after the overload has been eliminated.  
EMC: For operating conditions with noise factors; external protection circuit required.  
Document 825345.  
Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

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.

