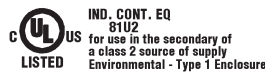


1) Active surface

- NPN
- Normally open (NO)
- 1.50 mm
- Flush (shielded)
- Cable, PVC, 5.00 m



**General attributes**

Approvals / Conformity

CE  
cULus  
EAC  
IEC 60947-5-2  
IP67  
Yes  
Yes  
No  
Yes  
585 a

Basic standard

Enclosure Type per IEC 60529  
Function indicator  
Polarity reversal protected  
Power indicator  
Short circuit protected  
MTTF (40°C)

**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  
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>)  
Switching function  
Switching output

Cable  
100 mA  
24.0 V  
DC, direct current  
0.200 µF  
3.0 mA  
14.0 mA  
30.0 V  
10.0 V  
75 VDC  
100 A  
15 %  
2500 Hz  
Normally open (NO)  
NPN

Voltage drop static max.

1.8 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  
Eff. operating distance S<sub>r</sub>  
Height (small side)  
Housing material  
Mech. installation condition  
Number of conductors  
Rated operating distance S<sub>n</sub> [mm]  
Sensing face material  
Width (long side)

70 °C  
-25 °C  
1.20 mm  
2.5 mm  
PVC  
5.00 m  
0.09 mm<sup>2</sup>  
4.7 mm  
1.50 mm  
8.0 mm  
PA 6 - GF30  
Flush (shielded)  
3  
1.50 mm  
PA 6 - GF30  
16.0 mm

**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.

