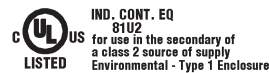


1) Active surface

- PNP
- Normally open (NO)
- 5.00 mm
- Non embeddable
- Cable, PUR, 2.00 m



**General attributes**

Approvals / Conformity	CE cULus IEC 60947-5-2
Basic standard	IP67
Enclosure Type per IEC 60529	Yes
Function indicator	■■■
Operating distance marking	Yes
Polarity reversal protected	No
Power indicator	Yes
Short circuit protected	

**Electrical attributes**

Connection type	Cable
Eff. operating current I <sub>e</sub>	100 mA
Eff. operating voltage U <sub>e</sub> DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U <sub>e</sub> )	0.500 µF
Max. no-load cur. I <sub>o</sub> undamped	8.0 mA
Minimum operating current I <sub>m</sub>	0 mA
No-load current I <sub>o</sub> damped max.	10.0 mA
Operating voltage U <sub>B</sub> max. DC [V]	30.0 V
Operating voltage U <sub>B</sub> min. DC [V]	10.0 V
Rated insulation voltage U <sub>i</sub>	75 VDC
Rated short circuit current	100 A
Ripple max. (% of U <sub>e</sub> )	10 %
Switching freq. f max. (at U <sub>e</sub> )	3000 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>	4.05 mm
Cable diameter D max.	3.0 mm
Cable jacket material	PUR
Cable length	2.00 m
Conductor cross-section	0.14 mm <sup>2</sup>
Depth	35.0 mm
Diameter d1	M05x0.5
Eff. operating distance S <sub>r</sub>	5.00 mm
Housing material	Stainless steel
Mech. installation condition	Non embeddable
Number of conductors	3
Rated operating distance S <sub>n</sub> [mm]	5.00 mm
Sensing face material	PET-C
Tightening torque	1 Nm

**Additional text**

EMC: EMC protection circuit needed, see 825345. Burst: 1.2 I<sub>WW</sub>: 2.2  
 Non-flush mounting (unshielded): See installation instructions for inductive sensors with extended range 843281. Avoid pressure and contact in the area of the clear zone cap.  
 The sensor is functional again after the overload has been eliminated.

