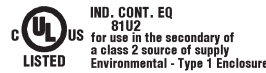


- NPN
- Normally open (NO)
- 2.00 mm
- Flush (shielded)
- Cable, PVC, 3.00 m



**General attributes**

Approvals / Conformity	CE cULus IEC 60947-5-2 IP68 according to BWN PR 20
Basic standard	Yes
Enclosure Type per IEC 60529	Yes
Function indicator	No
Polarity reversal protected	II
Power indicator	Yes
Protection Class	
Short circuit protected	

**Electrical attributes**

Connection type	Cable
Eff. operating current I <sub>e</sub>	200 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	1.0 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>	250 VAC
Rated short circuit current	100 A
Ripple max. (% of U <sub>e</sub> )	15 %
Switching freq. f max. (at U <sub>e</sub> )	3000 Hz

Switching function	Normally open (NO)
Switching output	NPN
Voltage drop static max.	1.5 V

**Mechanical attributes**

Ambient temperature T <sub>a</sub> max.	85 °C
Ambient temperature T <sub>a</sub> min.	-40 °C
Assured operating distance S <sub>a</sub>	1.60 mm
Cable diameter D max.	4.6 mm
Cable jacket material	PVC
Cable length	3.00 m
Conductor cross-section	0.34 mm <sup>2</sup>
Depth	60.0 mm
Diameter d1	M12x1
Eff. operating distance S <sub>r</sub>	2.00 mm
Housing material	Stainless steel
Mech. installation condition	Flush (shielded)
Mounting length	40.5 mm
Number of conductors	3
Rated operating distance S <sub>n</sub> [mm]	2.00 mm
Sensing face material	PA 12
Tightening torque	20 Nm

**Additional text**

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

