



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



**General attributes**

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

**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	5.0 mA
Minimum operating current I <sub>m</sub>	0 mA
No-load current I <sub>o</sub> damped max.	14.0 mA
Operating voltage U <sub>B</sub> max. DC [V]	30.0 V
Operating voltage U <sub>B</sub> min. DC [V]	12.0 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> )	300 Hz

Switching function	Normally open (NO)
Switching output	NPN
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>	3.20 mm
Cable diameter D max.	4.6 mm
Cable jacket material	PVC
Cable length	2.00 m
Conductor cross-section	0.34 mm <sup>2</sup>
Depth	53.0 mm
Diameter d1	M12x1
Eff. operating distance S <sub>r</sub>	4.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	50.0 mm
Number of conductors	3
Rated operating distance S <sub>n</sub> [mm]	4.00 mm
Sensing face material	LCP
Surface protection	Nickel-plated
Tightening torque	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.

