



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

**General attributes**

Approvals / Conformity

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

Electrical attributes

Connection type	Cable
Eff. operating current I _e	200 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	1.000 µF
Max. no-load cur. I _o undamped	5.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	10.0 mA
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	12.0 V
Rated insulation voltage U _i	250 VAC
Rated short circuit current	100 A
Ripple max. (% of U _e)	15 %
Switching freq. f max. (at U _e)	500 Hz

Switching function

Switching output
Voltage drop static max.

Normally open (NO)

PNP
2.5 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	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 ²
Depth	53.0 mm
Diameter d1	M12x1
Eff. operating distance S _r	4.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	50.0 mm
Number of conductors	3
Rated operating distance S _n [mm]	4.00 mm
Sensing face material	PA 12
Surface protection	Nickel-plated
Tightening torque	15 Nm

Additional text

The sensor is functional again after the overload has been eliminated.
Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

