



- PNP
- Normally closed (NC)
- 1.50 mm
- Flush (shielded)
- Cable, PUR, 5.00 m



**General attributes**

Approvals / Conformity	CE cULus EAC
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP68 according to BWN PR 20
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Protection Class	II
Short circuit protected	Yes
MTTF	830 a

**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	9.0 mA
Minimum operating current I <sub>m</sub>	0 mA
No-load current I <sub>o</sub> damped max.	3.0 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 closed (NC)

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>	1.20 mm
Cable diameter D max.	3.1 mm
Cable jacket material	PUR
Cable length	5.00 m
Conductor cross-section	0.14 mm <sup>2</sup>
Depth	35.0 mm
Diameter d1	D06.5
Eff. operating distance S <sub>r</sub>	1.50 mm
Housing material	Stainless steel
Mech. installation condition	Flush (shielded)
Mounting length	33.7 mm
Number of conductors	3
Rated operating distance S <sub>n</sub> [mm]	1.50 mm
Sensing face material	PBT

**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.

