



- PNP
- Normally open (NO)
- 3.70 mm
- Non embeddable
- Cable, PUR, 3.00 m



General attributes

Approvals / Conformity	CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP65
Polarity reversal protected	Yes
Short circuit protected	Yes

Electrical attributes

Connection type	Cable
Eff. operating current I _e	130 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	0.150 µF
Max. no-load cur. I _o undamped	25.0 mA
Minimum operating current I _m	1 mA
No-load current I _o damped max.	25.0 mA
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	20.0 V
Rated insulation voltage U _i	75 VDC
Rated short circuit current	100 A
Ripple max. (% of U _e)	15 %
Switching freq. f max. (at U _e)	300 Hz
Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	2.5 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	2.90 mm
Cable diameter D max.	3.5 mm
Cable jacket material	PUR
Cable length	3.00 m
Conductor cross-section	0.14 mm ²
Depth	70.0 mm
Diameter d ₁	M12x1
Eff. operating distance S _r	3.70 mm
Housing material	CuZn
Mech. installation condition	Non embeddable
Mounting length	50.0 mm
Number of conductors	3
Rated operating distance S _n [mm]	3.70 mm
Sensing face material	PA 12
Surface protection	Nickel-plated
Tightening torque	10 Nm

Additional text

The sensor is functional again after the overload has been eliminated.
Max. cable length: 50 m.
Test pulses ≤ 0.5 ms typ. 160 Hz are overlaid on the output signal, which pulses may be missing when there is a sensor fault (simple fault).

