



1) Active surface

- PNP
- Normally open (NO)
- 2.00 mm
- Flush (shielded)
- Cable, PUR, 3.00 m

General attributes

Approvals / Conformity	CE EAC
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP65
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Short circuit protected	Yes
MTTF (40°C)	830 a

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 μ F
Max. no-load cur. I_0 undamped	3.0 mA
Minimum operating current I_m	0 mA
No-load current I_0 damped max.	10.0 mA
Operating voltage U_B max. DC [V]	30.0 V
Operating voltage U_B min. DC [V]	10.0 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)	2500 Hz
Switching function	Normally open (NO)
Switching output	PNP



Voltage drop static max.

2.0 V

Mechanical attributes

Ambient temperature T_a max.	70 °C
Ambient temperature T_a min.	-25 °C
Assured operating distance S_a	1.60 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	16.5 mm
Eff. operating distance S_r	2.00 mm
Height (small side)	10.5 mm
Housing material	PBT 20 % GV
Mech. installation condition	Flush (shielded)
Number of conductors	3
Rated operating distance S_n [mm]	2.00 mm
Sensing face material	PBT 20 %GV
Width (long side)	30.0 mm

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.

