



1) Active surface

- NPN
- Normally open (NO)
- 2.00 mm
- Flush (shielded)
- Cable, PVC, 3.00 m

General attributes

Approvals / Conformity	CE
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

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	3.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	12.0 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
 Switching output
 Voltage drop static max.

Normally open (NO)
 NPN
 2.5 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	PVC
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

Additional text

The sensor is functional again after the overload has been eliminated.

