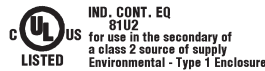


1) Active surface

- PNP
- Normally open (NO)
- 1.50 mm
- Flush (shielded)

- Cable with connector, PUR, 0.20 m M08x1-S49



General attributes

Approvals / Conformity

Basic standard

Enclosure Type per IEC 60529

Function indicator

Operating distance marking

Polarity reversal protected

Power indicator

Short circuit protected

MTTF

CE

cULus

EAC

IEC 60947-5-2

IP67

Yes

■ ■

Yes

No

Yes

305 a

Electrical attributes

Connection type

Eff. operating current I_e

Eff. operating voltage U_e DC

Electrical version

Load capacitance max. (at U_e)

Max. no-load cur. I_o undamped

Minimum operating current I_m

No-load current I_o damped max.

Operating voltage U_B max. DC [V]

Operating voltage U_B min. DC [V]

Rated insulation voltage U_i

Rated short circuit current

Ripple max. (% of U_e)

Switching freq. f max. (at U_e)

Switching function

Switching output

Cable with connector

100 mA

24.0 V

DC, direct current

1.000 µF

2.0 mA

0 mA

6.0 mA

30.0 V

10.0 V

75 VDC

100 A

10 %

5000 Hz

Normally open (NO)

PNP

Voltage drop static max.

2.0 V

Mechanical attributes

Ambient temperature T_a max.

Ambient temperature T_a min.

Assured operating distance S_a

Cable diameter D max.

Cable jacket material

Cable length

Connector type

Depth

Diameter d1

Eff. operating distance S_r

Housing material

Mech. installation condition

Mounting length

Rated operating distance S_n [mm]

Sensing face material

Tightening torque

70 °C

-25 °C

1.21 mm

3.0 mm

PUR

0.20 m

M08x1-S49

27.0 mm

M05x0.5

1.50 mm

Stainless steel

Flush (shielded)

26.0 mm

1.50 mm

PBT

1 Nm

Remarks

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

EMC: Surge immunity; external protection circuit required. Document 825345, Section 2.

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.

