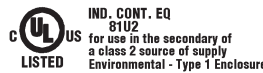


- NPN
- Normally open (NO)
- 8.00 mm
- Flush (shielded)
- Connector, M12x1-S04



General attributes

Approvals / Conformity

CE
cULus
EAC
IEC 60947-5-2
IP67
Yes
■
Yes
No
II
Yes
GLOBAL
585 a

Basic standard

Enclosure Type per IEC 60529

Function indicator

Operating distance marking

Polarity reversal protected

Power indicator

Protection Class

Short circuit protected

Trademark

MTTF

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)

Connector
200 mA
24.0 V
DC, direct current
0.500 µF
5.0 mA
0 mA
12.0 mA
30.0 V
10.0 V
250 VAC
100 A
15 %
1000 Hz

Switching function

Switching output

Voltage drop static max.

Normally open (NO)

NPN

2.5 V

Mechanical attributes

Ambient temperature T_a max.

Ambient temperature T_a min.

Assured operating distance S_a

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

Surface protection

Tightening torque

70 °C

-25 °C

6.40 mm

M12x1-S04

65.0 mm

M18x1

8.00 mm

CuZn

Flush (shielded)

50.0 mm

8.00 mm

PBT

Nickel-free coating

25 Nm

Remarks

Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

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.

