



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

**General attributes**

Approvals / Conformity

Basic standard
Enclosure Type per IEC 60529
Function indicator
Operating distance marking
Polarity reversal protected
Power indicator
Protection Class
Short circuit protected
Trademark

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

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

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

Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
Switching function
Switching output
Voltage drop static max.

15 %
1000 Hz
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 / 35 Nm

Additional text

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

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

