



- Non-polarized
- Normally open (NO)
- 7.00 mm
- Flush (shielded)
- Connector, M12x1-S04

General attributes

Approvals / Conformity

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

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

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
Load capacitance max. (at U_e)
Minimum operating current I_m
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
100 mA
24.0 V
DC, direct current
1.000 μ F
5 mA
33.0 V
10.0 V
75 VDC
100 A
15 %
600 Hz



Switching function

Switching output
Voltage drop static max.

Normally open (NO)
Non-polarized
5.0 V

Mechanical attributes

Ambient temperature T_a max.
Ambient temperature T_a min.
Assured operating distance S_a
Connector type
Depth
Diameter d_1
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
5.60 mm
M12x1-S04
51.0 mm
M18x1
7.00 mm
CuZn
Flush (shielded)
35.0 mm
7.00 mm
PA 12
Nickel-free coating
25 Nm / 35 Nm

Additional text

The sensor is functional again after the overload has been eliminated.
Specify maximum attainable switching frequency (not per IEC 60947-5-2)
Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

