



- PNP
- Normally open (NO)
- 3.00 mm
- Flush (shielded)
- Connector, M12x1-S04



General attributes

Additional features

Approvals / Conformity

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

Weld-spatter resistant
Factor 1
CE
cULus
EAC
IEC 60947-5-2
IP67
Yes
immune to magnetic DC and AC fields
■ ■
Yes
No
II
Yes
Factor 1

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
Load capacitance max. (at U_e)
Magnetic field strength
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]

Connector
200 mA
24.0 V
DC, direct current
1.000 µF
100 kA/m
10.0 mA
0 mA
15.0 mA
30.0 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
Voltage drop static max.

10.0 V
250 VAC
100 A
10 %
2000 Hz
Normally open (NO)
PNP
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
2.40 mm
M12x1-S04
50.0 mm
M12x1
3.00 mm
CuZn
Flush (shielded)
36.0 mm
3.00 mm
LCP + PTFE
PTFE coating
10 Nm

Additional text

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

