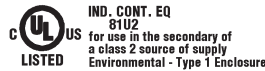


- PNP
- Normally open (NO)
- 5.00 mm
- Flush (shielded)
- Connector, M12x1-S04



General attributes

Additional features

Approvals / Conformity

Basic standard
Enclosure Type per IEC 60529
Function indicator
Magnetic field immune
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)
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]
Operating voltage U_B min. DC [V]
Rated insulation voltage U_i
Rated short circuit current

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

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
10.0 V
250 VAC
100 A

Ripple max. (% of U_e) 10 %
Switching freq. f max. (at U_e) 2500 Hz
Switching function Normally open (NO)
Switching output PNP
Voltage drop static max. 2.5 V

Mechanical attributes

Ambient temperature T_a max. 70 °C
Ambient temperature T_a min. -25 °C
Assured operating distance S_a 4.00 mm
Connector type M12x1-S04
Depth 50.0 mm
Diameter d1 M18x1
Eff. operating distance S_r 5.00 mm
Housing material CuZn
Mech. installation condition Flush (shielded)
Mounting length 35.0 mm
Rated operating distance S_n [mm] 5.00 mm
Sensing face material LCP + PTFE
Surface protection PTFE coating
Tightening torque 12 Nm

Remarks

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.

