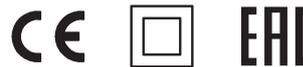


- NPN
- Normally open (NO)
- 8.00 mm
- Quasi embeddable
- Connector, M12x1-S04



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
MTTF (40°C)

CE
EAC
IEC 60947-5-2
IP67
Yes
■■■■
Yes
No
II
Yes
355 a

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)
Switching function
Switching output

Connector
200 mA
24.0 V
DC, direct current
1.000 µF
8.0 mA
0 mA
10.0 mA
55.0 V
10.0 V
250 VAC
100 A
15 %
300 Hz
Normally open (NO)
NPN

Voltage drop static max.

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

60 °C
0 °C
5.80 mm
M12x1-S04
65.0 mm
M12x1
8.00 mm
CuZn
Quasi embeddable
50.0 mm
8.00 mm
LCP
Nickel-plated
10 Nm

Remarks

The sensor is functional again after the overload has been eliminated.
EMC: For operating conditions with noise factors; external protection circuit required.
Document 825345.
Quasi-shielded: See installation instructions for inductive sensors with extended switching distance 825356.

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.

