



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



IND. CONT. EQ
81U2
for use in the secondary of
a class 2 source of supply
Environmental - Type 1 Enclosure



General attributes

Approvals / Conformity

cULus
CE
EAC
IEC 60947-5-2
IP68 according to BWN PR 20
Yes
Yes
No
II
Yes
640 a

Basic standard

Enclosure Type per IEC 60529
Function indicator
Polarity reversal protected
Power indicator
Protection Class
Short circuit protected
MTTF

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)

Connector
200 mA
24.0 V
DC, direct current
0.500 µF
2.5 mA
0 mA
6.0 mA
30.0 V
10.0 V
250 VAC
100 A
15 %
5000 Hz

Switching function

Switching output
Voltage drop static max.

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
1.60 mm
M12x1-S04
45.0 mm
M12x1
2.00 mm
CuZn
Flush (shielded)
29.5 mm
2.00 mm
LCP
Nickel-free coating
10 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.

