



- PNP
- Normally closed (NC)
- 8.00 mm
- Flush (shielded)
- Connector, M12x1-S04



LISTED IND. CONT. EQ. 81U2
for use in the secondary of
a class 2 source of supply



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

**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
Trademark
MTTF

CE
cULus
EAC
IEC 60947-5-2
IP68 according to BWN PR 20
Yes
■ ■
Yes
No
II
Yes
GLOBAL
330 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)

Connector
200 mA
24.0 V
DC, direct current
1.000 µF
15.0 mA
0 mA
8.0 mA
30.0 V
12.0 V
250 VAC
100 A
15 %
150 Hz

Switching function

Switching output

Voltage drop static max.

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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
6.40 mm
M12x1-S04
65.0 mm
M18x1
8.00 mm
CuZn
Flush (shielded)
50.0 mm
8.00 mm
PA 12
Nickel-plated
25 Nm

Remarks

The sensor is functional again after the overload has been eliminated.
Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

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.

