



- PNP
- Normally closed (NC)
- 4.00 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
GLOBAL
640 a

Basic standard

Enclosure Type per IEC 60529

Function indicator

Operating distance marking

Polarity reversal protected

Power indicator

Protection Class

Short circuit protected

Trademark

MTTF (40°C)

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)

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

Switching freq. f max. (at U_e)

Switching function

Switching output

Voltage drop static max.

1000 Hz

Normally closed (NC)

PNP

3.0 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

3.20 mm

M12x1-S04

65.0 mm

M12x1

4.00 mm

CuZn

Flush (shielded)

49.5 mm

4.00 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.

