



- PNP
- Normally open (NO)
- 4.00 mm
- Quasi embeddable

- Cable with connector, PUR, 0.30 m
- M08x1-S49



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
Short circuit protected
MTTF

cULus
CE
EAC
IEC 60947-5-2
IP67
Yes
■■■■
Yes
No
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
Voltage drop static max.

Cable with connector
200 mA
24.0 V
DC, direct current
1.000 μ F
8.0 mA
0 mA
10.0 mA
30.0 V
10.0 V
75 VDC
100 A
15 %
800 Hz
Normally open (NO)
PNP
2.8 V

Mechanical attributes

Ambient temperature T_a max.
Ambient temperature T_a min.
Assured operating distance S_a
Cable diameter D max.
Cable jacket material
Cable length
Connector type
Continuous shock load
Depth
Diameter d_1
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
2.90 mm
3.1 mm
PUR
0.30 m
M08x1-S49
Half-sinus, 100gn, 2ms, 3x8000
51.5 mm
M08x1
4.00 mm
CuZn
Quasi embeddable
50.0 mm
4.00 mm
PBT
Nickel-plated
3 Nm

Remarks

EMC: Surge immunity; external protection circuit required. Document 825345, Section 2.
Quasi-shielded: See installation instructions for inductive sensors with extended switching distance 825356.
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.

