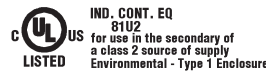


1) Active surface

- PNP
- Normally open (NO)
- 0.80 mm
- Flush (shielded)
- Connector, M08x1-S49



General attributes

Approvals / Conformity

Basic standard
Enclosure Type per IEC 60529
Function indicator
Operating distance marking
Polarity reversal protected
Power indicator
Short circuit protected

cULus
CE
IEC 60947-5-2
IP67
Yes
■
Yes
No
Yes

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

Connector
100 mA
24.0 V
DC, direct current
1.000 µF
2.0 mA
0 mA
6.0 mA
30.0 V
10.0 V
75 VDC
100 A

Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
Switching function
Switching output
Voltage drop static max.

10 %
5000 Hz
Normally open (NO)
PNP
2.0 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
Tightening torque

70 °C
-25 °C
0.65 mm
M08x1-S49
41.0 mm
M05x0.5
0.80 mm
Stainless steel
Flush (shielded)
20.0 mm
0.80 mm
PBT
1 Nm

Additional text

The sensor is functional again after the overload has been eliminated.
EMC: Surge immunity; external protection circuit required. Document 825345, Section 2.

