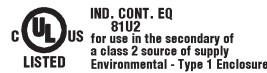


- PNP
- Normally closed (NC)
- 2.00 mm
- Flush (shielded)
- Connector, M08x1-S49



General attributes

Approvals / Conformity

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

Basic standard

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

Electrical attributes

Connection type
Eff. operating current Ie
Eff. operating voltage Ue DC
Electrical version
Load capacitance max. (at Ue)
Max. no-load cur. I_o undamped
Minimum operating current I_m
No-load current I_o damped max.
Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Rated insulation voltage Ui
Rated short circuit current
Ripple max. (% of Ue)
Switching freq. f max. (at Ue)

Connector
200 mA
24.0 V
DC, direct current
0.500 µF
9.0 mA
0 mA
3.0 mA
30.0 V
10.0 V
250 VAC
100 A
15 %
1500 Hz

Switching function

Switching output
Voltage drop static max.

Normally closed (NC)
PNP
2.5 V

Mechanical attributes

Ambient temperature Ta max.
Ambient temperature Ta min.
Assured operating distance Sa
Connector type
Depth
Diameter d1
Eff. operating distance Sr
Housing material
Mech. installation condition
Mounting length
Rated operating distance S_n [mm]
Sensing face material
Tightening torque

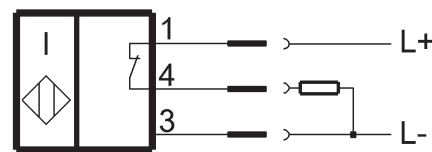
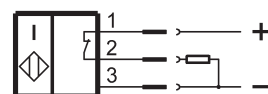
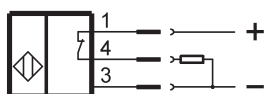
70 °C
-25 °C
1.60 mm
M08x1-S49
45.0 mm
M08x1
2.00 mm
Stainless steel
Flush (shielded)
34.1 mm
2.00 mm
PBT
8 Nm

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.



Inductive sensor

BES 516-377-G-E5-C-S49
BES0113

BALLUFF
sensors worldwide

