

- PNP
- Normally closed (NC)
- 1.80 mm
- Flush (shielded)

- Cable with connector, PUR, 0.32 m
- M08x1-S49



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

General attributes

Approvals / Conformity

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

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

Switching function

Switching output
Voltage drop static max.

Normally closed (NC)

PNP
3.5 V

Mechanical attributes

Ambient temperature Ta max.
Ambient temperature Ta min.
Assured operating distance Sa
Cable diameter D max.
Cable jacket material
Cable length
Connector type
Depth
Diameter d1
Eff. operating distance Sr
Housing material
Mech. installation condition
Mounting length
Rated operating distance Sn [mm]
Sensing face material

70 °C
-25 °C
1.60 mm
3.1 mm
PUR
0.32 m
M08x1-S49
35.5 mm
D08.0
1.80 mm
Stainless steel
Flush (shielded)
35.5 mm
1.80 mm
PA 12

Electrical attributes

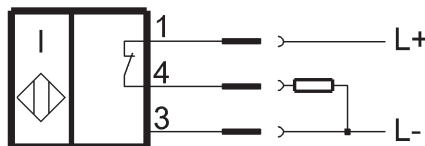
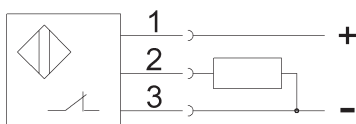
Connection type
Eff. operating current Ie
Eff. operating voltage Ue DC
Electrical version
Load capacitance max. (at Ue)
Max. no-load cur. Io undamped
Minimum operating current Im
No-load current Io damped max.
Operating voltage UB max. DC [V]
Operating voltage UB min. DC [V]
Rated insulation voltage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

Cable with connector
130 mA
24.0 V
DC, direct current
1.000 µF
25.0 mA
0 mA
8.0 mA
30.0 V
9.6 V
75 VDC
100 A
10 %
800 Hz

Additional text

Embeddable: See installation notes for inductive sensors with extended switching distance 825357.

The sensor is functional again after the overload has been eliminated.



Inductive sensor

BES 516-3013-G-SA2-S49-00,32

Order code: BES0347

BALLUFF

sensors worldwide

