

Product characteristics

Inductive sensor

Metal thread M18 x 1

Cable

Sensing range 5 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

AC/DC

20...250 AC/DC

Protection class

II

Reverse polarity protection

no

Outputs

Output function

normally closed

Voltage drop [V]

< 6.5 AC / < 6 DC

Minimum load current [mA]

5

Leakage current [mA]

< 2.5 (250 V AC) / < 1.3 (110 V AC) / < 0.8 (24 V DC)

**Current rating**

- Current rating (continuous) [mA]

250 AC / 100 DC; 350 AC (...50 °C)

- Current rating (peak) [mA]

$\hat{i}$ : 2.2 A (20 ms / 0.5 Hz)

Short-circuit proof

no

Overload protection

no

Switching frequency [Hz]

25 AC / 50 DC

Monitoring range

Sensing range [mm]

5

Real sensing range (Sr) [mm]

$5 \pm 10 \%$

Operating distance [mm]

0...4.05

Accuracy / deviations

Hysteresis [% of Sr]

1...15

Switch-point drift [% of Sr]

-10...10

Environment

Ambient temperature [°C]

-25...80

Protection

IP 67

Tests / approvals

EMC

EN 60947-5-2

EN 55011: class B

MTTF [Years]

609

Mechanical data

Mounting

flush mountable

Housing materials

brass white bronze coated; PC (polycarbonate)

Weight [kg]

0.151

Displays / operating elements

Output status indication LED

red

Electrical connection

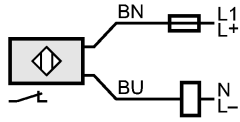
Connection

PVC cable / 2 m; 2 x 0.5 mm<sup>2</sup>

**Wiring**

**IG0327 - Inductive sensor - eclass: 27270101 / 27-27-01-01**

Core colors  
 BN brown  
 BU blue



Note: miniature fuse to IEC60127-2 sheet 1,  
 $\leq 2$  A (fast acting)

Accessories	
Accessories (included)	2 lock nuts
Remarks	
Remarks	Recommendation: check the unit for reliable function after a short circuit.
Pack quantity [piece]	1