

Product characteristics

Inductive sensor

Metal thread M30 x 1.5

Cable

Series connection possible

AC 100 V = max. 2

AC 200 V = max. 4

Sensing range 10 mm; [f] flush mountable

Electrical data

Electrical design

Operating voltage [V]

Protection class

Reverse polarity protection

Outputs

Output function

Voltage drop [V]

Minimum load current [mA]

Leakage current [mA]

**Current rating**

- Current rating (continuous) [mA]

- Current rating (peak) [mA]

Short-circuit proof

Overload protection

Switching frequency [Hz]

Monitoring range

Sensing range [mm]

Real sensing range (Sr) [mm]

Operating distance [mm]

Accuracy / deviations

Correction factors

Hysteresis [% of Sr]

Switch-point drift [% of Sr]

Environment

Ambient temperature [°C]

Protection

Tests / approvals

EMC

MTTF [Years]

Mechanical data

Mounting

Housing materials

Weight [kg]

AC/DC

20...250 AC/DC

II

no

normally open

< 7.5

5

4

70 AC / 100 DC; 200 AC (...50 °C)

î: 2.2 A (20 ms / 0.5 Hz)

no

no

25 AC / 50 DC

10

10 ± 10 %

0...8.1

mild steel = 1 / stainless steel approx. 0.7 / brass approx. 0.4 / aluminium approx. 0.3 / copper approx. 0.2

3...15

-10...10

-25...80

IP 67

EN 60947-5-2

EN 55011: class B

689

flush mountable

brass nickel-plated; PBT (Pocan)

0.401

# I10310 - Inductive sensor - eclass: 27270101 / 27-27-01-01

Displays / operating elements

|                          |     |     |
|--------------------------|-----|-----|
| Output status indication | LED | red |
|--------------------------|-----|-----|

Electrical connection

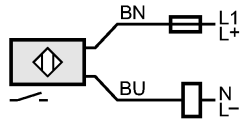
|            |                                          |  |
|------------|------------------------------------------|--|
| Connection | PVC cable / 6 m; 2 x 0.5 mm <sup>2</sup> |  |
|------------|------------------------------------------|--|

### Wiring

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 |
|---------------|---------|---|