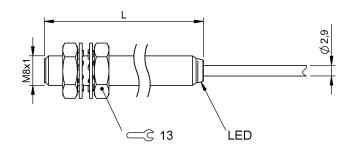
# BES M08MI-POC15B-BV03

Order Code: BES0031













#### **Basic features**

Approval/Conformity CE cULus WEEE

Basic standard IEC 60947-5-2 Trademark Global

## Display/Operation

Function indicator yes
Power indicator no

#### **Electrical connection**

Cable diameter D 3.00 mm Cable length L 3 m 0.14 mm<sup>2</sup> Conductor cross-section Connection type Cable, 3.00 m, PVC **Number of conductors** 3 Polarity reversal protected yes Protection against device mix-ups ves Short-circuit protection yes

#### **Electrical data**

Load capacitance max. at Ue  $1 \, \mu F$ No-load current lo max., damped 2 mA No-load current lo max., undamped 7 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm **Protection class** 250 V AC Rated insulation voltage Ui Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 25 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % 5000 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 2.5 V

### **Environmental conditions**

Ambient temperature -25...70 °C

Contamination scale 3

**EN 60068-2-27, Shock** Half-sinus, 30 g<sub>n</sub>, 11 ms

**EN 60068-2-6, Vibration** 55 Hz, amplitude 1 mm, 3x30 min

IP rating IP68

#### **Functional** safety

MTTF (40 °C) 595 a

#### **Interface**

Switching output PNP normally closed (NC)

### **Inductive Sensors**

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±10 %

#### Material

Housing materialBrass, Nickel-free coatedMaterial jacketPVCMaterial sensing surfacePBT

Mechanical data

**Dimension** Ø 8 x 50 mm Installation for flush mounting

Size M8x1 Tightening torque 3 Nm

## Range/Distance

Assured operating distance Sa Hysteresis H max. (% of Sr) Rated operating distance Sn Real switching distance sr Repeat accuracy max. (% of Sr) Switching distance marking Temperature drift max. (% of Sr) Tolerance Sr 1.2 mm 15.0 % 1.5 mm 1.5 mm 5.0 %

#### Remarks

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

For more information about MTTF and B10d see MTTF / B10d Certificate

Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

## **Wiring Diagrams**

