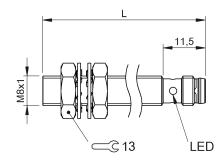
# BES M08MI-PSC30B-S49G **Order Code: BES054N**







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Approval/Conformity CE UKCA cULus EAC WEEE

Basic standard IEC 60947-5-2

### Display/Operation

**Function indicator** yes Power indicator no

### **Electrical connection**

Connection M8x1-Male, 3-pin Polarity reversal protected yes Protection against device mix-ups yes Short-circuit protection ves

### **Electrical data**

Load capacitance max. at Ue  $1 \, \mu F$ No-load current lo max., damped 11 mA No-load current lo max., undamped 7 mA Operating voltage Ub 10...30 VDC Output resistance Ra 100.0 kOhm **Protection class** 75 V DC 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. 40 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % 1200 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 1.5 V

### **Environmental conditions**

-25...70 °C Ambient temperature 3 Contamination scale

EN 60068-2-27, Shock Half-sinus, 30  $g_n$ , 11 ms

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

IP rating IP68

#### **Functional** safety

MTTF (40 °C) 584 a

## **Interface**

Switching output PNP normally open (NO)

### **Inductive Sensors**

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#### Material

Housing material Brass, Nickel-free coated

Material sensing surface PBT

### Mechanical data

Tightening torque 3 Nm

### Range/Distance

Assured operating distance Sa 2.4 mm
Hysteresis H max. (% of Sr) 15.0 %
Rated operating distance Sn 3 mm
Real switching distance sr
Repeat accuracy max. (% of Sr) 5.0 %
Switching distance marking
Temperature drift max. (% of Sr) 10 %
Tolerance Sr ±10 %

3 mm
3 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.

## **Connector Drawings**



# **Wiring Diagrams**

