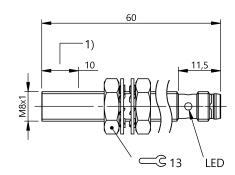
BES M08MI-PSC40B-S49G **Order Code: BES01ZW**







Basic features

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** Rated insulation voltage Ui 250 V AC 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

 Dimension
 Ø 8 x 60 mm

 Installation
 quasi-flush

 Size
 M8x1

 Tightening torque
 3 Nm

Range/Distance

Assured operating distance Sa 2.9 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 4 mm Real switching distance sr 4 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 15 % **Tolerance Sr** ±10 %

Remarks

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

1) Do not clamp in this area.

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

