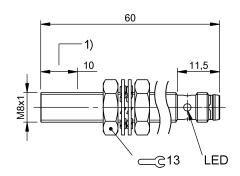
BES M08MI-PSC40B-S49G

Order Code: BES01ZW















Basic features

Approval/Conformity CE
UKCA
cULus
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
 yes

Electrical data

Load capacitance max. at Ue 1μF 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 % Switching frequency 1200 Hz DC -13 Utilization category Voltage drop static max. 1.5 V

Environmental conditions

Ambient temperature -25...70 °C

Contamination scale 3

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)

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2.9 mm

15.0 % 4 mm

4 mm

Material

Housing material Brass, Nickel-free coated

Material sensing surface PB

Mechanical data

Dimension Ø 8 x 60 mm
Installation quasi-flush
Mounting length 48 mm
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

5.0 % 15 % ±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 (Schematic)

