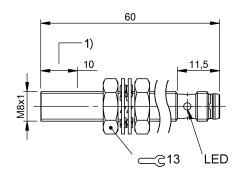
BES M08MI-NSC40B-S49G

Order Code: BES01ZT







Connection

Polarity reversal protected

Short-circuit protection

Protection against device mix-ups







M8x1-Male, 3-pin

yes

yes



Basic features

Approval/Conformity CE UKCA cULus WEEE IEC 60947-5-2 Basic standard Principle of operation Inductive sensor Display/Operation Function indicator yes Power indicator no **Electrical connection**

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

-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 IP68 IP rating Functional safety MTTF (40 °C) 584 a Interface

Subject to change without notice: 273016

NPN normally open (NO) Switching output

BES M08MI-NSC40B-S49G Order Code: BES01ZT



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

15 % ±10 %

2.9 mm

15.0 %

 $4\,\text{mm}$

4 mm

5.0 %

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)

