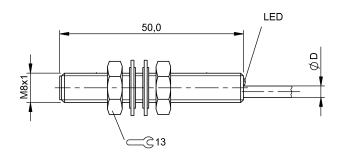
BES M08MI-PSC20B-BP02

Order Code: BES003F











Basic features

Approval/Conformity CE cULus EAC

WEEE

IEC 60947-5-2 Basic standard Global Trademark

Display/Operation

Function indicator yes Power indicator no

Electrical connection

Cable diameter D 3.10 mm Cable length L 2 m Conductor cross-section 0.14 mm²

Cable, 2.00 m, PUR Connection type

Number of conductors 3 Polarity reversal protected yes Protection against device mix-ups yes Short-circuit protection yes

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ Min. operating current Im 0 mA No-load current lo max., damped 10 mA No-load current lo max., undamped 5 mA Operating voltage Ub 12...30 VDC Output resistance Ra 33.0 kOhm + D 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. 30 ms Residual current Ir max. 20 μΑ 15 % Ripple max. (% of Ue) 700 Hz Switching frequency **Utilization category** DC -13

Environmental conditions

-25...70 °C Ambient temperature 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

2.5 V

IP rating IP67

Functional safety

Voltage drop static max.

MTTF (40 °C) 880 a

Interface

Subject to change without notice: 224750

Switching output PNP normally open (NO)

Inductive Sensors

BES M08MI-PSC20B-BP02 Order Code: BES003F



1.6 mm

Material

Housing material Brass, nickel plated

Material jacket PUR

Material sensing surface

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

15.0 %
2 mm
2 mm
5.0 %
10 %
±10 %

Remarks

Flush: See installation instructions for inductive sensors with extended range 825357.

PA 12

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

