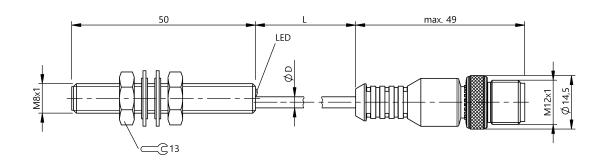
# BES M08MI-PSC20B-BP00,2-GS04

**Order Code: BES003E** 







	-			
20	CIC	fea	411	ILOC

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 3.00 mm Cable length L 0.2 m Connection M12x1-Male, 4-pin, A-coded Connection type Cable with connector, 0.20 m, PUR

Polarity reversal protected yes Protection against device mix-ups yes **Short-circuit protection** yes

### **Electrical data**

Load capacitance max. at Ue  $1 \, \mu F$ No-load current lo max., damped 7 mA No-load current lo max., undamped 2 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 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. 25 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % 5000 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 2.5 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) 595 a

## **Interface**

Subject to change without notice: PV116372

Switching output PNP normally open (NO)

### **Inductive Sensors**

# BES M08MI-PSC20B-BP00,2-GS04 Order Code: BES003E



1.6 mm

### Material

Housing material Brass, Nickel-free coated

Material jacketPURMaterial sensing surfacePBT

### Mechanical data

DimensionØ 8 x 50 mmInstallationfor 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 825356.

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**

