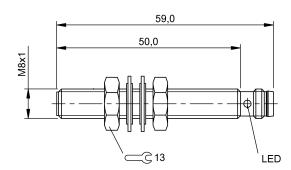
BES M08MI-POC20B-S49G

Order Code: BES0033















Basic features

Approval/Conformity

CE cULus EAC

WEEE Basic standard

Trademark

IEC 60947-5-2 Global

M8x1-Male, 3-pin

Display/Operation

Function indicator Power indicator

yes no

yes

Electrical connection

Connection Polarity reversal protected

Protection against device mix-ups Short-circuit protection yes **Electrical data**

Load capacitance max. at Ue No-load current lo max., damped

No-load current lo max., undamped

Operating voltage Ub Output resistance Ra 33.0 kOhm

Protection class

Rated insulation voltage Ui Rated operating current le Rated operating voltage Ue DC

Rated short circuit current Ready delay tv max.

Residual current Ir max. Ripple max. (% of Ue) Switching frequency

Voltage drop static max.

Utilization category

 $1 \, \mu F$ 2 mA 7 mA

10...30 VDC

250 V AC 200 mA

24 V 100 A 25 ms 10 μΑ

10 % 5000 Hz DC -13 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: PV116367

Switching output PNP normally closed (NC)

Inductive Sensors

BES M08MI-POC20B-S49G **Order Code: BES0033**



Material

Housing material Brass, Nickel-free coated PBT

Material sensing surface

Mechanical data

Dimension Ø 8 x 60 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**

1.6 mm 15.0 % 2 mm 2 mm 5.0 %

10 % ±10 %

Remarks

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

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

EMC: Surge resistance

External protection circuit is required. Document 825345, Section 2.

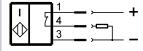
For more information about MTTF and B10d see MTTF / B10d Certificate

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



2/2