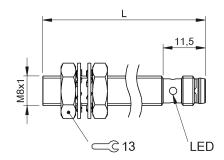
BES M08MI-PSC30B-S49G **Order Code: BES054N**















Basic features

Approval/Conformity

CE cULus EAC WEEE

IEC 60947-5-2 Basic standard

Display/Operation

Function indicator yes Power indicator no

Electrical connection

Connection M8x1-Male, 3-pin Polarity reversal protected ves

Protection against device mix-ups yes Short-circuit protection

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 **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 **Utilization category**

Voltage drop static max.

 $1 \, \mu F$ 11 mA 7 mA

10...30 VDC 100.0 kOhm

75 V DC 200 mA 24 V 100 A 40 ms

10 μΑ 10 % 1200 Hz DC -13 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

IP rating IP68

Functional safety

MTTF (40 °C) 584 a

Interface

Subject to change without notice: PV170002

Switching output PNP normally open (NO)

Inductive Sensors

BES M08MI-PSC30B-S49G **Order Code: BES054N**



2.4 mm

15.0 %

±10 %

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**

3 mm 3 mm 5.0 % 10 %

Remarks

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

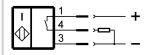
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Subject to change without notice: PV170002