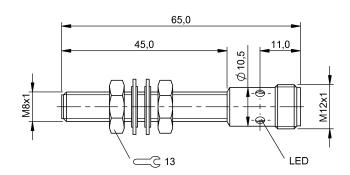
BES M08MH1-PSC15B-S04G

Order Code: BES0027













Basic features

Approval/Conformity CE UKCA cULus WEEE IEC 60947-5-2 Basic standard

Trademark Global

Display/Operation

Function indicator yes Power indicator no

Electrical connection

Connection M12x1-Male, 4-pin, A-coded Polarity reversal protected yes Protection against device mix-ups 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 100 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 Ripple max. (% of Ue) 15 % 1000 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 2 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 IP67

Functional safety

MTTF (40 °C) 880 a

Interface

Switching output PNP normally open (NO)

Inductive Sensors

BES M08MH1-PSC15B-S04G **Order Code: BES0027**



Material

Housing material Brass, nickel-plated

Material sensing surface PA 12

Mechanical data

Dimension Ø 8 x 65 mm Installation for flush mounting Size M8x1

Tightening torque 3 Nm

Range/Distance

Assured operating distance Sa 1.2 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 1.5 mm Real switching distance sr 1.5 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) 10 % **Tolerance Sr**

±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

