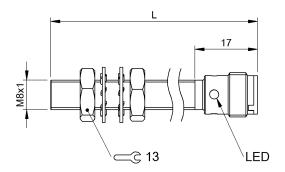
BES M08MH1-PSC30B-S04G **Order Code: BES02W9**















Basic features

Basic standard

Approval/Conformity CE cULus EAC

WEEE IEC 60947-5-2

Display/Operation

Function indicator yes Power indicator no

Electrical connection

Connection M12x1-Male, 4-pin, A-coded Polarity reversal protected ves Protection against device mix-ups yes Short-circuit protection

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ No-load current lo max., damped 11 mA No-load current lo max., undamped 7 mA Operating voltage Ub 10...30 VDC Output resistance Ra 100.0 kOhm **Protection class** 250 V AC 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. 40 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % 1200 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 1.5 V

Environmental conditions

-25...70 °C Ambient temperature 3 Contamination scale

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms

EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

Protection degree IP68

Functional safety

MTTF (40 °C) 584 a

BES M08MH1-PSC30B-S04G **Order Code: BES02W9**



Material

Housing material Brass Material sensing surface PBT

Surface protection Nickel-free coated

Mechanical data

Dimension Ø 8 x 63 mm Installation for flush mounting M8x1 Size **Tightening torque** 3 Nm

Output/Interface

Switching output PNP normally open (NO) Range/Distance Assured operating distance Sa 2.4 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 3 mm Real switching distance sr 3 mm

Switching distance marking Temperature drift max. (% of Sr) 10 % **Tolerance Sr** ±10 %

Remarks

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

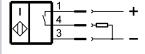
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Repeat accuracy max. (% of Sr) 5.0 %

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