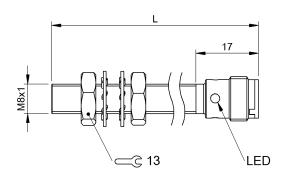
BES M08MH1-PSC30B-S04G Order Code: BES02W9









Class 2 Type 1





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 yes Short-circuit protection ves

Electrical data

Load capacitance max, at Ue 1 uF No-load current lo max., damped 11 mA No-load current lo max., undamped 7 mA 10...30 VDC Operating voltage Ub 100.0 kOhm Output resistance Ra **Protection class** Rated insulation voltage Ui 250 V AC Rated operating current le 200 mA 24 V Rated operating voltage Ue DC Rated short circuit current 100 A Ready delay tv max. 40 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % Switching frequency 1200 Hz **Utilization category** DC -13 Voltage drop static max. 1.5 V

Environmental conditions

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

General data

Approval/Conformity CE cULus EAC WFFF **Basic standard** IEC 60947-5-2

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 Size M8x1 **Tightening torque** 3 Nm

Output/Interface

Subject to change without notice: 253523

Switching output PNP normally open (NO)

Inductive Sensors

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



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 Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 10 % **Tolerance Sr** ±10 %

Remarks

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

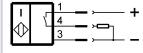
For further information about the MTTF and B10d see MTTF / B10d certificate

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



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