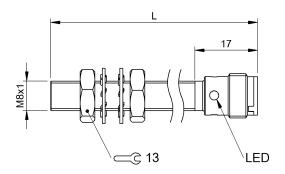
BES M08MH1-PSC30B-S04G

Order Code: BES02W9















Basic features

Approval/Conformity

cULus EAC WEEE

CE

IEC 60947-5-2 Basic standard

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 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)

Utilization category Voltage drop static max.

Switching frequency

 $1 \, \mu F$ 11 mA

7 mA 10...30 VDC 100.0 kOhm

250 V AC 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: 253523

Switching output PNP normally open (NO)

Inductive Sensors

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



10 %

±10 %

Material

Housing material Brass, Nickel-free coated

Material sensing surface PBT

Mechanical data

Dimension Ø 8 x 63 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**

2.4 mm 15.0 % 3 mm 3 mm 5.0 %

Remarks

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

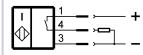
For more information about MTTF and B10d see MTTF / B10d Certificate

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



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