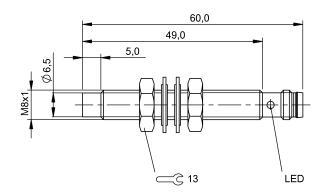
BES M08EH-PSC40F-S49G **Order Code: BES001J**













Basic features

Approval/Conformity CE cULus

EAC WEEE

yes

IEC 60947-5-2 Basic standard Global Trademark

Display/Operation

Function indicator yes Power indicator

Electrical connection

Short-circuit protection

Connection M8x1-Male, 3-pin Polarity reversal protected yes Protection against device mix-ups

Electrical data

Load capacitance max. at Ue No-load current lo max., damped No-load current lo max., undamped

Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm

Protection class

Rated insulation voltage Ui Rated operating current le Rated operating voltage Ue DC Rated short circuit current

100 A Ready delay tv max. 25 ms Residual current Ir max. 10 μΑ Ripple max. (% of Ue) 10 % Switching frequency

4000 Hz **Utilization category** DC -13 Voltage drop static max. 2.5 V

Environmental conditions

-25...70 °C, Temperature drift Ambient temperature

max. (% of Sr) > 15% between

50...70 °C

3

 $1.0~\mu\text{F}$

7 mA

2 mA

250 V AC

200 mA

24 V

Contamination scale

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

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

Protection degree IP68

Functional safety

Subject to change without notice: 262171

MTTF (40 °C) 595 a

BES M08EH-PSC40F-S49G Order Code: BES001J



Material

Housing material	Stainless steel
Material sensing surface	PBT
Mechanical data	
Dimension	Ø 8 x 60 mm
Installation	non-flush
Size	M8x1

8 Nm

Output/Interface

Switching output	PNP normally open (NO)
Range/Distance	
Assured operating distance Sa	3.2 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	4 mm
Real switching distance sr	4 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	••
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

Tightening torque

Not for flush mounting: See installation instructions for inductive sensors with extended range 939229.

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

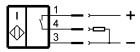
For more information about MTTF and B10d see MTTF / B10d Certificate

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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