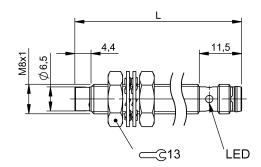
# BES M08EH1-PSC60F-S49G

Order Code: BES054Z















#### Basic features

Approval/Conformity CE UKCA cULus WEEE Basic standard IEC 60947-5-2 Display/Operation Function indicator yes Power indicator no

#### Electrical connection

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

#### Electrical data

Load capacitance max. at Ue 1μF 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 Rated insulation voltage Ui 250 V AC 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 % Switching frequency 1200 Hz DC -13 Utilization category 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  $g_n$ , 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min IP68 IP rating

### Functional safety

MTTF (40 °C)

Switching output

Subject to change without notice: 253255

Interface

584 a

PNP normally open (NO)

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#### Material

Housing material Stainless steel PBT Material sensing surface

#### Mechanical data

Dimension Ø 8 x 60 mm Installation non-flush Mounting length 44 mm M8x1 Size Tightening torque 3 Nm

#### Range/Distance

Assured operating distance Sa 4.8 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 6 mm Real switching distance sr 6 mm Repeat accuracy max. (% of Sr) 5.0 % Switching distance marking Temperature drift max. (% of Sr) 10 % Tolerance Sr ±10 %

#### Remarks

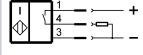
The sensor is functional again after the overload has been eliminated. For more information about MTTF and B10d see MTTF / B10d Certificate

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 (Schematic)



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