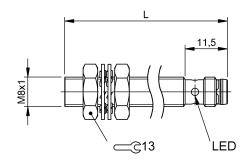
BES M08MI-POC30B-S49G

Order Code: BES054P















Basic features

Approval/Conformity cULus CE UKCA 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 7 mA No-load current lo max., undamped 11 mA Operating voltage Ub 10...30 VDC Output resistance Ra 100.0 kOhm Protection class Rated insulation voltage Ui 75 V DC 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) 584 a

Interface

PNP normally closed (NC) Switching output

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±10 %

Material

Housing material Brass, Nickel-free coated

Material sensing surface

Mechanical data

DimensionØ 8 x 60 mmInstallationfor flush mountingMounting length48 mm

Mounting length48 mmSizeM8x1Tightening torque3 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 (Schematic)

