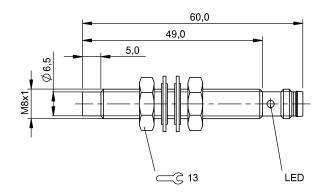
BES M08EH-PSC40F-S49G

Order Code: BES001J















Basic features

Approval/Conformity	CE UKCA
	cULus
Basic standard	WEEE IFC 60947-5-2
Trademark	Global
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	1.0 µF
No-load current lo max., damped	7 mA
No-load current lo max., undamped	2 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm
Protection class	II
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.	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

Subject to change without notice: 262171

Ambient temperature	-2570 °C, Temperature drift max. (% Sr) > 15% valid from 5070 °C
Contamination scale	3
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)	595 a
Interface	
Switching output	PNP normally open (NO)

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Material

Housing materialStainless steelMaterial sensing surfacePBT

Mechanical data

Dimension Ø 8 x 60 mm
Installation non-flush
Mounting length 43.0 mm
Size M8x1
Tightening torque 8 Nm

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

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.

In rare cases, the function of the sensor may be impaired during contact with water

it is fully functional again after drying

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)

