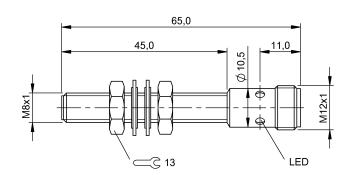
BES M08MH1-PSC20B-S04G

Order Code: BES0028















Basic features

Polarity reversal protected Protection against device mix-ups

Short-circuit protection

Approval/Conformity	CE UKCA cULus
Basic standard	WEEE IFC 60947-5-2
Principle of operation	Inductive sensor
Trademark	Global
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Connection	M12x1-Male, 4-pin, A-coded

yes

yes

Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	10 mA
No-load current Io max., undamped	5 mA
Operating voltage Ub	1230 VDC
Output resistance Ra	33.0 kOhm + D
Protection class	II
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.	30 ms
Residual current Ir max.	20 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	700 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Subject to change without notice: 295359

Livilorificital corlaitio	110
Ambient temperature	-2570 °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	IP67
Functional safety	
MTTF (40 °C)	880 a
Interface	
Switching output	PNP normally open (NO)

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10 %

±10 %

Material

Housing materialBrass, nickel-platedMaterial sensing surfacePA 12

Mechanical data

DimensionØ 8 x 65 mmInstallationfor flush mountingMounting length45.00 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

1.6 mm 15.0 % 2 mm 2 mm 5.0 %

Remarks

Flush: See installation instructions for inductive sensors with extended range 825357.

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)

