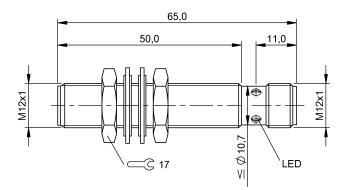
Inductive Sensors BES M12MI-PSH80B-S04G Order Code: BES01ZN

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Basic features

Approval/Conformity	CE UKCA EAC WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	1μF
Min. operating current Im	0 mA
No-load current lo max., damped	12 mA
No-load current lo max., undamped	8 mA
Operating voltage Ub	1055 VDC
Output resistance Ra	100.0 kOhm + 2D
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.	10 ms
Residual current Ir max.	10 µA
Ripple max. (% of Ue)	15 %
Switching frequency	300 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	060 °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)

Interface

Switching output

PNP normally open (NO)

Internet

eCl@ss 9.1: 27-27-01-01 ETIM 6.0: EC002714 BES01ZN_0.72_2022-08-02

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Inductive Sensors BES M12MI-PSH80B-S04G **Order Code: BES01ZN**

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	5.8 mm
Mechanical data Rated operating distance Sn Dimension Ø 12 x 65 mm	
Mechanical data Real switching distance sr Dimension Ø 12 x 65 mm	15.0 %
Dimension Ø 12 x 65 mm	8 mm
Dimension Ø 12 x 65 mm	8 mm
Dimension 9 12 X 65 mm Switching distance marking	10.0 %
	20 %
Size M12x1 Tolerance Sr	±10 %
Tightening torque 10 Nm	

Remarks

Quasi-flushed: See installation instructions for inductive sensors with extended range 825356.

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

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

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

