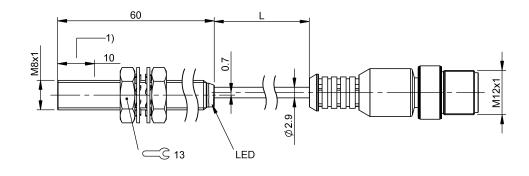
Inductive Sensors BES M08MM-PSC40B-BP00,3-GS04 Order Code: BES05U9







Basic features

Approval/Conformity	CE UKCA cULus
	WEEE
Basic standard	IEC 60947-5-2
Display/Operation	
Function indicator	yes
Power indicator	no
Electrical connection	
Cable diameter D	3 mm
Cable length L	0.3 m
Connection	M12x1-Male, 3-pin
Connection type	Cable with connector, 0.3 m, PUR
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

EN 60068-2-6, Vibration IP rating Functional safety MTTF (40 °C) Interface	IP67 584 a
IP rating Functional safety	
IP rating	IP67
	IP67
	55 Hz, amplitude 1 mm, 3x30 min
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
Contamination scale	3
Ambient temperature	-2570 °C
Environmental conditions	
Voltage drop static max.	1.5 V
Utilization category	DC -13
Switching frequency	1200 Hz
Ripple max. (% of Ue)	10 %
Residual current Ir max.	10 µA
Ready delay tv max.	40 ms
Rated short circuit current	100 A
Rated operating voltage Ue DC	24 V
Rated operating current le	200 mA
Rated insulation voltage Ui	75 V DC
Output resistance Ra	100.0 kOhm
Operating voltage ob	1030 VDC
Operating voltage Ub	7 mA
No-load current lo max., undamped	

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Material

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Housing material	Brass, Nickel-free coated
Material jacket	PUR
Material sensing surface	PBT
Mechanical data	
Dimension	Ø 8 x 60 mm
Installation	quasi-flush
Mounting length	58 mm
Size	M8x1
Tightening torque	3 Nm

Range/Distance

Assured operating distance Sa	2.9 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	4 mm
Real switching distance sr	4 mm
Switching distance marking	
Temperature drift max. (% of Sr)	15%
Tolerance Sr	±10 %

Remarks

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

1) Do not clamp in this area.

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)

