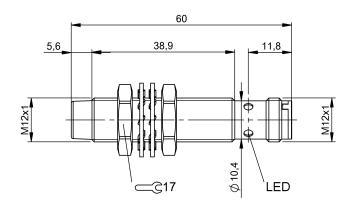
# BES M12MG-PSC80F-S04G

Order Code: BES004N















#### Basic features

Short-circuit protection

Approval/Conformity	CE
	UKCA
	cULus
	WEEE
Basic standard	IEC 60947-5-2
Trademark	Global
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

yes

## Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	5 mA
No-load current lo max., undamped	2 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
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.	21 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	1000 Hz
Utilization category	DC -13
Voltage drop static max.	1.5 V

#### **Environmental conditions**

Subject to change without notice: 221236

-2570 °C
3
Half-sinus, 30 g <sub>n</sub> , 11 ms
55 Hz, amplitude 1 mm, 3x30 mir
IP68
640 a
PNP normally open (NO)

#### **Inductive Sensors**

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#### Material

**Housing material** Brass, Nickel-free coated

Material sensing surface PB

#### Mechanical data

 Dimension
 Ø 12 x 60 mm

 Installation
 non-flush

 Mounting length
 39.00 mm

 Size
 M12x1

 Tightening torque
 10 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

5.0 % •• 10 %

6.4 mm

15.0 %

8 mm

8 mm

±10 %

#### 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

