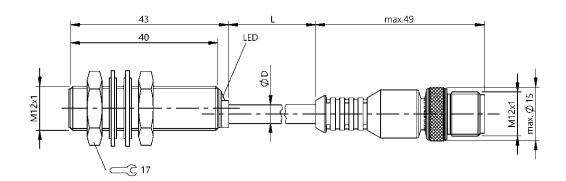
# BES M12MG-GSC30B-BP00,3-GS04

Order Code: BES0042













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

# Display/Operation

Function indicator Power indicator no

#### Electrical connection

Short-circuit protection

Cable diameter D	4.70 mm
Cable length L	0.3 m
Connection	M12x1-Male, 4-pin, A-coded
Connection type	Cable with connector, 0.30 m, PUR
Polarity reversal protected	yes
Protection against device mix-ups	yes

yes

#### Utilization category Voltage drop static max.

Electrical data

Load capacitance max. at Ue

Min. operating current Im

Rated insulation voltage Ui

Rated operating current le

Rated short circuit current

Residual current Ir max.

Ripple max. (% of Ue)

Switching frequency

Ready delay tv max.

Rated operating voltage Ue DC

Operating voltage Ub

Environmental conditions		
Ambient temperature	-2570 °C	
Contamination scale	3	
EN 60068-2-27, Shock	Half-sinus, 30 g <sub>n</sub> ,	

Half-sinus, 30 g<sub>n</sub>, 11 ms 55 Hz, amplitude 1 mm, 3x30 min EN 60068-2-6, Vibration

1μF

5 mA

10...36 VDC

75 V DC

100 mA

24 V

100 A

50 ms

600 μΑ

1300 Hz

DC -13

4.2 V

15%

IP rating IP67

## **Functional** safety

MTTF (40 °C) 315 a

#### Interface

Subject to change without notice: 230866

Switching output polarized normally open (NO)

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2.4 mm

±10 %

#### Material

Housing material Brass, Nickel-free coated

Material jacketPURMaterial sensing surfacePA 12

#### Mechanical data

DimensionØ 12 x 43 mmInstallationfor flush mountingMounting length40.00 mmSizeM12x1Tightening torque15 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

20.0 %
3 mm
3 mm
5.0 %

#### Remarks

Specify maximum attainable switching frequency (not per IEC 60947-5-2) 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

