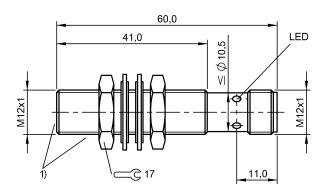
BES M12EG1-PSC60Z-S04G-S11

Order Code: BES02WH





1) Pressure resistant area









Basic features

Approval/Conformity	CE
	cULus
	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	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	16 mA
No-load current lo max., undamped	9 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	47.0 kOhm
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.	60 ms
Residual current Ir max.	100 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	400 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Subject to change without notice: 258118

MTTF (40 °C)	335 a
Functional safety	
IP rating	IP67
EN 60068-2-6, Vibration	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

Inductive Sensors

BES M12EG1-PSC60Z-S04G-S11 Order Code: BES02WH



10 %

±10 %

Interface

Switching output PNP normally open (NO)

Material

Housing materialStainless steelMaterial sensing surfaceStainless steel

Mechanical data

Pressure rating, note Pressure-resistant

 $\begin{tabular}{lll} \bf Size & M12x1 \\ \bf Tightening\ torque & 10\ Nm\ \pm 10\ \% \\ \end{tabular}$

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 4.9 mm 15.0 % 6 mm 6 mm 5.0 %

Remarks

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

When installing in metals the switching distance may be reduced by up to 50%. Installation Instructions 841020.

Installation permitted only in clamp without positive stop.

LED flashes between 100% and approx. 70% of Sr

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

