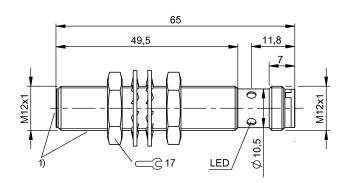
BES M12EI-PSC40B-S04G-S03

Order Code: BES056A





1) Pressure resistant area









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Ras	210	TEST	Irac

Approval/Conformity Basic standard	CE UKCA cULus WEEE IFC 60947-5-2
Display/Operation	IEC 00947-0-2
Function indicator Power indicator	yes no
Electrical connection	
Connection Polarity reversal protected Protection against device mix-ups Short-circuit protection	M12x1-Male, 4-pin, A-coded yes yes yes

Electrical data

Load capacitance max. at Ue	1 μF
No-load current lo max., damped	15 mA
No-load current lo max., undamped	10 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	33.0 kOhm + D
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.	100 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	10 %
Switching frequency	500 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Functional safety	
Eupotional cafety	
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

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3 mm

15.0 %

±15%

Interface

Switching output PNP normally open (NO)

Material

 Housing material
 Stainless steel, coated, PTFE

 Material sensing surface
 Stainless steel/coated/PTFE

Mechanical data

DimensionØ 12 x 65 mmInstallationfor flush mountingMounting length49.50 mmPressure rating max.60 barPressure rating, notePressure-resistant

rigitiening torque

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 mm
4 mm
5.0 %
10 %

Remarks

When installing in non-ferromagnetic metals, the distance x must be considered. This dimension x is described in the document "BES 2SN STEELFACE". Since the nuts supplied are made of non-ferromagnetic metal, the specified dimension x also applies here. Mounting, where the nuts are close to the active surface, is not intended.

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

