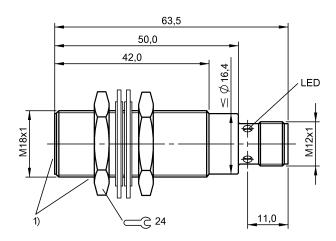
BES M18EG1-PSC10Z-S04G-S11

Order Code: BES02Y3





1) Pressure resistant area







Approval/Conformity	CE cULus 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.	35 ms
Residual current Ir max.	100 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	200 Hz
Utilization category	DC -13
Voltage drop static max.	2 V

Environmental conditions

Ambient temperature	-2570 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g _n , 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67
Functional safety	

375 a

MTTF (40 °C)

BES M18EG1-PSC10Z-S04G-S11

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8.1 mm

±10 %

Interface

Switching output PNP normally open (NO)

Material

Housing material Stainless steel Material sensing surface Stainless steel

Mechanical data

Dimension Ø 18 x 63.5 mm Installation quasi-flush Mounting length 42.00 mm Pressure rating max. 60 bar

Pressure rating, note Pressure-resistant

M18x1 50 Nm ±10 % Tightening 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

15.0 % 10 mm 10 mm 5.0 % 10 %

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

