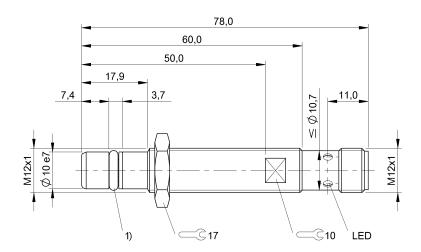
BES M12EL-PSC15B-S04G-HM01

Order Code: BHS006C





1) O-Ring with thrust ring









Do	-i-	footi	1500

Function indicator	yes
Display/Operation	
Principle of operation	Inductive sensor
Basic standard	IEC 60947-5-2
	WEEE
	cULus
	UKCA
Approval/Conformity	CE
	installation/monitor output
Additional features	Load sensing/adjustment aid for
Basic features	

Flectrical connection

Power indicator

Electrical confidention	
Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

no

Electrical data

Load capacitance max. at Ue	0.5 μF
Min. operating current Im	3 mA
No-load current lo max., damped	9 mA
No-load current lo max., undamped	7 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	Open collector
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.	10 ms
Residual current Ir max.	80 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	300 Hz
Utilization category	DC -13
Voltage drop static max.	3.7 V

Environmental conditions

68
68
5 Hz, amplitude 1 mm, 3x30 min
alf-sinus, 30 g _n , 11 ms
570 °C

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Interface

Switching output PNP normally open (NO)

Material

Gasket, materialNBR 70Housing material1.4104 stainless steel

Material sensing surface EP

Support ring material PTFE

Mechanical data

DimensionØ 12 x 78 mmInstallationfor flush mountingMounting length32.00 mmMounting partM12x1Pressure rating max.500 barPressure rating, noteoil pressure ratedSealing ring, size5.3 x 2.4 mm

Range/Distance

Assured operating distance Sa 1.2 mm

Hysteresis H max. (% of Sr) 20.0 %

Rated operating distance Sn 1.5 mm

Real switching distance sr 1.5 mm

Repeat accuracy max. (% of Sr) 5.0 %

Temperature drift max. (% of Sr) 10 %

Tolerance Sr ±10 %

Remarks

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

Load detection: System limited to 200 Hz. If the sensor is damped, at least 3 mA must flow through the output (pin 4). Otherwise a fault is detected.

Adjusting aid for installation: LED flashes when in range between Sr and Sa.

Monitor output: High level when the sensor is functional. The load capacity is 50 mA. (Ud \leq 4.5 V)

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 (Schematic)

