



1) Housing rotatable 304°, 2) Tightening torque 1...1.5 Nm, 3) Tightening torque 16.5 Nm



Basic features

Approval/Conformity	cULus CE EAC WEEE
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Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Protection against device mix-ups	yes

Electrical data

Load capacitance max. at Ue	1 µF
Min. operating current I _m	0 mA
No-load current I _o max., damped	18 mA
No-load current I _o max., undamped	10 mA
Operating voltage U _b	10...30 VDC
Output resistance R _a	33.0 kOhm + D
Rated insulation voltage U _i	75 V DC
Rated operating current I _e	200 mA
Rated operating voltage U _e DC	24 V
Ready delay t _v max.	40 ms
Residual current I _r max.	80 µA
Ripple max. (% of U _e)	15 %
Switching frequency	10 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

Environmental conditions

Ambient temperature	-25...70 °C
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Inductive Sensors
BES 516-300-S295/1.025"-S4
Order Code: BHS003J



Functional safety

MTTF (40 °C)	640 a
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Material

Material sensing surface	Ceramic
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Mechanical data

Dimension	51 x 48 x 26.04 mm
Pressure rating, note	oil pressure rated
Size	D12.7

Output/Interface

Switching output	PNP normally open (NO)
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Range/Distance

Assured operating distance Sa	1.6 mm
Rated operating distance Sn	2 mm
Real switching distance sr	2 mm

Remarks

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

LED 1: Function

LED 2: Operating voltage

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

