



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



### Basic features

Approval/Conformity	CE cULus 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 <sub>m</sub>	0 mA
No-load current I <sub>o</sub> max., damped	18 mA
No-load current I <sub>o</sub> max., undamped	10 mA
Operating voltage U <sub>b</sub>	10...30 VDC
Output resistance R <sub>a</sub>	33.0 kOhm + D
Rated insulation voltage U <sub>i</sub>	75 V DC
Rated operating current I <sub>e</sub>	200 mA
Rated operating voltage U <sub>e</sub> DC	24 V
Ready delay t <sub>v</sub> max.	40 ms
Residual current I <sub>r</sub> max.	80 µA
Ripple max. (% of U <sub>e</sub> )	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-S295/1.592"-S4**  
Order Code: BHS003W



**Material**

Housing material	Stainless steel (1.4104), nickel plated Zinc, Die casting
Material sensing surface	Ceramic

**Mechanical data**

Dimension	51 x 48 x 40.44 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**

LED 1: Function  
LED 2: Operating voltage  
The sensor is functional again after the overload has been eliminated.

**Connector Drawings**



**Wiring Diagrams**

