



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

## Electrical connection

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

### Electrical data

<b>Load capacitance max. at Ue</b>	1 $\mu$ F
<b>Min. operating current Im</b>	0 mA
<b>No-load current to max., damped</b>	18 mA
<b>No-load current to max., undamped</b>	10 mA
<b>Operating voltage Ub</b>	10...30 VDC
<b>Output resistance Ra</b>	33.0 kOhm + D
<b>Rated insulation voltage Ui</b>	75 V DC
<b>Rated operating current Ie</b>	200 mA
<b>Rated operating voltage Ue DC</b>	24 V
<b>Ready delay tv max.</b>	40 ms
<b>Residual current Ir max.</b>	80 $\mu$ A
<b>Ripple max. (% of Ue)</b>	15 %
<b>Switching frequency</b>	10 Hz
<b>Utilization category</b>	DC -13
<b>Voltage drop static max.</b>	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

**BALLUFF**

**Material**

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

**Mechanical data**

<b>Dimension</b>	51 x 48 x 40.44 mm
<b>Pressure rating, note</b>	oil pressure rated
<b>Size</b>	D12.7

**Remarks**

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

**Output/Interface**

<b>Switching output</b>	PNP normally open (NO)
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**Range/Distance**

<b>Assured operating distance Sa</b>	1.6 mm
<b>Rated operating distance Sn</b>	2 mm
<b>Real switching distance sr</b>	2 mm

**Connector Drawings**



**Wiring Diagrams**

