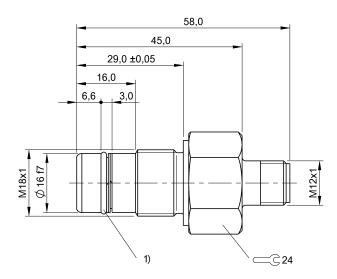
BES 516-300-S190-S4 Order Code: BHS0026

BALLUFF



1) O-Ring with thrust ring



Polarity reversal protected Protection against device mix-ups

Short-circuit protection

Approval/Conformity Basic standard Thrust ring, part number	CE EAC WEEE IEC 60947-5-2 635431
Display/Operation	
Function indicator Power indicator	no no
Electrical connection	
Connection	M12x1-Male, 4-pin, A-coded

yes

yes

Electrical data

Load capacitance max. at Ue	1 μF
Min. operating current Im	0 mA
No-load current lo max., damped	25 mA
No-load current lo max., undamped	12 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	2.0 kOhm + D
Rated insulation voltage Ui	75 V DC
Rated operating current le	130 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	400 Hz
Utilization category	DC -13
Voltage drop static max.	3.5 V

Environmental conditions

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-2580 °C
3
Half-sinus, 30 gn, 11 ms
55 Hz, amplitude 1 mm, 3x30 min
IP68
1620 a

Inductive Sensors

BES 516-300-S190-S4 Order Code: BHS0026



Material

Gasket, materialNBR 90Housing materialStainless steelMaterial sensing surfacePEEKSupport ring materialPTFE

Mechanical data

Dimension Ø 18 x 58 mm Installation for flush mounting Mounting M18x1 Pressure rating max. 500 bar Pressure rating, note oil pressure rated 619531 Sealing ring, part number Sealing ring, size 13 × 1.5 mm M18x1 **Tightening torque** 40 Nm ±10 %

Output/Interface

Tolerance Sr

Range/Distance

Assured operating distance Sa
Hysteresis H max. (% of Sr)
Rated operating distance Sn
Real switching distance Sr
Repeat accuracy max. (% of Sr)
Temperature drift max. (% of Sr)

PNP normally open (NO)

2.1 mm
15.0 %
3 mm
5 mm
7 mm
8 mm
8 mm
8 mm
10 mm
10

-20 %

Remarks

Installation Guide 836665

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

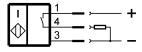
For more information about MTTF and B10d see MTTF / B10d Certificate

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



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