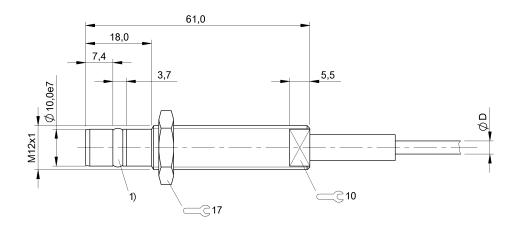
BES 516-300-S135-D-PU-05

Order Code: BHS001F





1) O-Ring with thrust ring



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Ras	ic	features
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Approval/Conformity CE UKCA cULus EAC WFFF Basic standard IEC 60947-5-2

Display/Operation

Function indicator nο Power indicator nο

Electrical connection

Cable diameter D 3.50 mm Cable length L 5 m 0.14 mm² Conductor cross-section Connection type Cable, 5.00 m, PUR **Number of conductors** 3 Polarity reversal protected ves Protection against device mix-ups yes Short-circuit protection yes

Electrical data

Load capacitance max. at Ue $0.5~\mu\text{F}$ Min. operating current Im 0 mA No-load current lo max., damped 10 mA No-load current lo max., undamped 1 mA Operating voltage Ub 10...30 VDC Output resistance Ra 33.0 kOhm + D 75 V DC Rated insulation voltage Ui 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. 10 μΑ Ripple max. (% of Ue) 15 % Switching frequency 1000 Hz DC -13 **Utilization category** Voltage drop static max. 1.9 V

Environmental conditions

-25...80 °C Ambient temperature Contamination scale EN 60068-2-27, Shock Half-sinus, 30 g_n , 11 ms EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min IP rating IP68

Functional safety

MTTF (40 °C) 720 a

Inductive Sensors

BES 516-300-S135-D-PU-05 Order Code: BHS001F



Interface

Switching output

PNP normally open (NO)

Material

Housing material

Stainless steel

Material jacket

PUR

Material sensing surface

EP

Support ring material

PTFE

Mechanical data

Dimension Ø 12 x 61 mm Installation for flush mounting Mounting part M12x1 Pressure rating max. 500 bar Pressure rating, note oil pressure rated 5.85 × 2.4 mm Sealing ring, size Size M12x1 **Tightening torque** 25 Nm ±10 %

Range/Distance

Assured operating distance Sa	1.2 mm
Hysteresis H max. (% of Sr)	15.0 %
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.

Pressure rated also for O2, N2O, N2, air.

Installation Instructions 614804

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.

Wiring Diagrams

