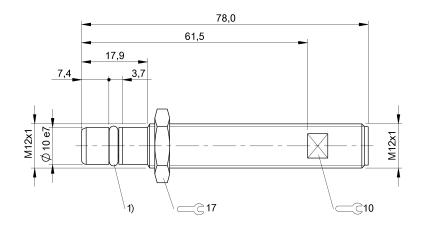
BES 516-300-S135-S4-D Order Code: BHS001L

BALLUFF



1) O-Ring with thrust ring



Racic	features
Dasic	realures.

Approval/Conformity	CE	
	UKCA	
	cULus	
	EAC	
	WEEE	
Basic standard	IEC 60947-5-2	
Display/Operation		

Display/Operation

Function indicator nο Power indicator no

Electrical connection

Connection	M12x1-Male, 4-pin, A-coded
Polarity reversal protected	yes
Protection against device mix-ups	yes
Short-circuit protection	yes

Electrical data

Load capacitance max. at Ue	0.5 μF
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	1030 VDC
Output resistance Ra	33.0 kOhm + D
Rated insulation voltage Ui	75 V DC
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
Utilization category	DC -13
Voltage drop static max.	1.5 V

Environmental conditions

MTTF (40 °C)

Subject to change without notice: 263745

Ambient temperature	-2580 °C
Contamination scale	3
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	

720 a

Inductive Sensors

BES 516-300-S135-S4-D Order Code: BHS001L



Interface

Switching output PNP normally open (NO)

Material

Housing material Stainless steel

Material sensing surface EP
Support ring material PTFE

Mechanical data

Mounting partM12x1Pressure rating max.500 bar

Pressure rating, noteoil pressure ratedSealing ring, size $5.85 \times 2.4 \text{ mm}$ SizeM12x1Tightening torque15 Nm ±10 %

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)

Tolerance Sr

1.2 mm

1.5 mm

1.5 mm

5.0 %

10 %

Remarks

Installation Instructions 614804

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

