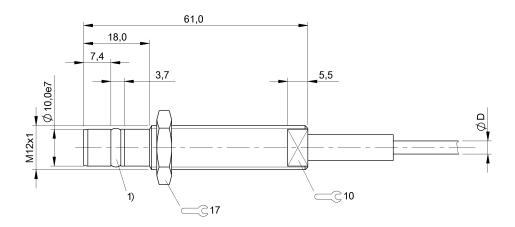
BES 516-300-S135-D-PU-10

Order Code: BES02RJ





1) O-Ring with thrust ring









Basic features

Dasio icatares		
Approval/Conformity	CE	
	UKCA	
	cULus	
	WEEE	
Basic standard	IEC 60947-5-2	

Display/Operation

Function indicator	no
Power indicator	no

Electrical connection

Cable diameter D	3.50 mm
Cable length L	10 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 10.00 m, PUR
Number of conductors	3
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.	2.3 V

Environmental conditions		
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

MTTF (40 °C)

Inductive Sensors

BES 516-300-S135-D-PU-10 Order Code: BES02RJ



Interface

Support ring material

Material

Housing material

Material jacket

Material sensing surface

PNP normally open (NO)

1.4104 stainless steel

PUR

EP

PTFE

Mechanical data

Dimension Ø 12 x 61 mm Installation for flush mounting M12x1 Mounting part 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

Installation Instructions 614804

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

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.

Wiring Diagrams

