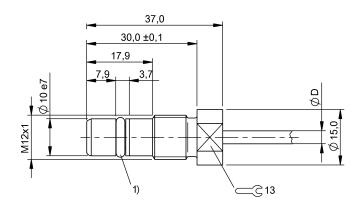
BES 516-300-S205-D-PU-03

Order Code: BHS0028





1) O-Ring with thrust ring







- Basic realures	Basic	features
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Approval/Conformity	CE UKCA 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	3 m
Conductor cross-section	0.14 mm ²
Connection type	Cable, 3.00 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	1 μF
Min. operating current Im	0 mA
No-load current Io max., damped	8 mA
No-load current lo max., undamped	3 mA
Operating voltage Ub	1030 VDC
Output resistance Ra	150.0 kOhm
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.	50 ms
Residual current Ir max.	10 μΑ
Ripple max. (% of Ue)	15 %
Switching frequency	2000 Hz
Utilization category	DC -13
Voltage drop static max.	2.2 V

Environmental conditions

MTTF (40 °C)

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	

855 a

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Interface

Switching output PNP normally open (NO) Material Housing material Stainless steel PUR Material jacket ΕP Material sensing surface Support ring material PTFE

Mechanical data

Dimension Ø 12 x 37 mm Installation for flush mounting 12.10 mm Mounting length Mounting part M12x1 Pressure rating max. 350 bar Pressure rating, note oil pressure rated Sealing ring, size $5.3 \times 2.4 \text{ mm}$ Size M12x1 Tightening torque 20 Nm ±10 %

Range/Distance

Assured operating distance Sa 1.2 mm 15.0 % Hysteresis H max. (% of Sr) Rated operating distance Sn 1.5 mm Real switching distance sr 1.5 mm 5.0 % Repeat accuracy max. (% of Sr) Temperature drift max. (% of Sr) 10 % Tolerance Sr ±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.

Subject to change without notice: 263748

Wiring Diagrams (Schematic)

