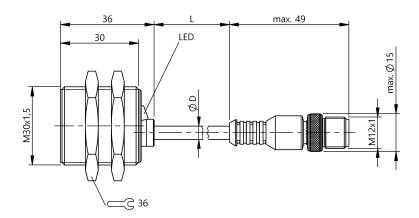
BES 516-3028-G-E4-Y-S4-01 **Order Code: BES00LT**











IND. CONT. EQ. **81U2** Class 2 Type 1



Basic features

Approval/Conformity CE

cULus EAC WEEE

IEC 60947-5-2 Basic standard

Display/Operation

Function indicator yes Power indicator

Electrical connection

Cable diameter D 5.10 mm Cable length L Connection M12x1-Male, 4-pin, A-coded Connection type Cable with connector, 1.00 m, PUR

Polarity reversal protected Protection against device mix-ups ves Short-circuit protection yes

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ Min. operating current Im 0 mA No-load current lo max., damped 12 mA No-load current lo max., undamped 25 mA Operating voltage Ub 10...30 VDC **Output resistance Ra** 2.0 kOhm + D + LED

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 15 % Ripple max. (% of Ue) 100 Hz Switching frequency **Utilization category** DC -13 Voltage drop static max. 3.8 V

Environmental conditions

-25...70 °C Ambient temperature 3 Contamination scale

EN 60068-2-27, Shock Half-sinus, 30 gn, 11 ms

EN 60068-2-6, Vibration 55 Hz, amplitude 1 mm, 3x30 min

Protection degree IP68

Functional safety

MTTF (40 °C) 1620 a

BES 516-3028-G-E4-Y-S4-01 Order Code: BES00LT



Material

Housing material	Brass
Material jacket	PUR
Material sensing surface	PA 12
Surface protection	nickel plated

Mechanical data

Dimension	Ø 30 x 36 mm
Installation	for flush mounting
Size	M30x1.5
Tightening torque	70 Nm

Output/Interface

Switching output	PNP normally closed (NC)
Range/Distance	
Assured operating distance Sa	12 mm
Hysteresis H max. (% of Sr)	15.0 %
Rated operating distance Sn	15 mm
Real switching distance sr	15 mm
Repeat accuracy max. (% of Sr)	5.0 %
Switching distance marking	••
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

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

Flush: See installation instructions for inductive sensors with extended range 825357.

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

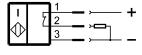
Indication of the MTTF- / B10d value does not represent a binding composition and/or life expectancy assurance; these are simply experiential values with no warranty implications. These declared values also do not extend the expiration period for defect claims or affect it in any way.

Subject to change without notice: 137486

Connector Drawings



Wiring Diagrams



2/2