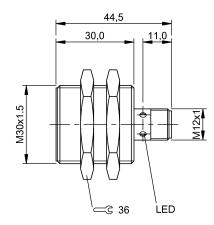
# BES 516-3028-G-E5-Y-S4 **Order Code: BES00LU**







#### **Basic features**

Approval/Conformity CE UKCA cULus EAC WEEE

Basic standard IEC 60947-5-2

Display/Operation

**Function indicator** yes Power indicator no

**Electrical connection** 

Connection M12x1-Male, 4-pin, A-coded

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

#### **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 Ripple max. (% of Ue) 15 % 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  $g_n$ , 11 ms

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

IP rating IP68

**Functional** safety

MTTF (40 °C) 1620 a

**Interface** 

Subject to change without notice: 274565

Switching output PNP normally closed (NC)

#### **Inductive Sensors**

# BES 516-3028-G-E5-Y-S4 Order Code: BES00LU



#### Material

Housing material Brass, nickel-plated

Material sensing surface PA 12

#### Mechanical data

DimensionØ 30 x 44.5 mmInstallationfor flush mountingSizeM30x1.5Tightening torque70 Nm

#### 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

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

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

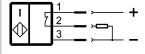
For more information about MTTF and B10d see MTTF / B10d Certificate

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**



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