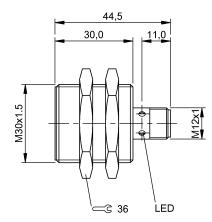
BES 516-327-G-E5-Y-S4 **Order Code: BES00RW**











Basic features

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

Display/Operation

Function indicator yes Power indicator

Electrical connection

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

Electrical data

Load capacitance max. at Ue $1 \, \mu F$ Min. operating current Im 0 mA No-load current lo max., damped 25 mA No-load current lo max., undamped 12 mA Operating voltage Ub 10...30 VDC Output resistance Ra 2.0 kOhm + D + LED 75 V DC Rated insulation voltage Ui 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

Switching output PNP normally open (NO)

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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.

UL-MARKINGS: - For use in NFPA 79 Applications only - Adapters providing field wiring means are available from the manufacturer. Refer to manufacturers information.

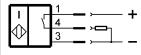
For more information about MTTF and B10d see MTTF / B10d Certificate

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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