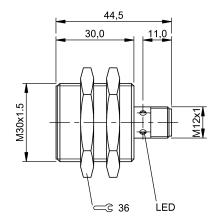
BES 516-3028-E5-Y-S4 Order Code: BES00LM













Basic features

Approval/Conformity CE UKCA cULus 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 yes Short-circuit protection yes

Electrical data

Load capacitance max. at Ue 1μF Min. operating current Im 0 mA No-load current lo max., damped 12 mA 25 mA No-load current lo max., undamped Operating voltage Ub 10...30 VDC Output resistance Ra 2.2 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% Switching frequency 200 Hz DC -13 Utilization category Voltage drop static max. 3.5 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 IP67 Functional safety MTTF (40 °C) 1620 a Interface

1/2

PNP normally closed (NC)

Switching output

Inductive Sensors

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Material

Housing material Brass, nickel-plated

Material sensing surface PA 12

Mechanical data

Dimension Ø 30 x 44.5 mm Installation for flush mounting Mounting length 30.00 mm M30x1.5 Size Tightening torque 70 Nm

Range/Distance

Assured operating distance Sa 8 mm Hysteresis H max. (% of Sr) 15.0 % Rated operating distance Sn 10 mm Real switching distance sr 10 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) 10 % Tolerance Sr ±10 %

Remarks

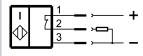
The sensor is functional again after the overload has been eliminated. For more information about MTTF and B10d see MTTF / B10d Certificate

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 (Schematic)



Subject to change without notice: 279471