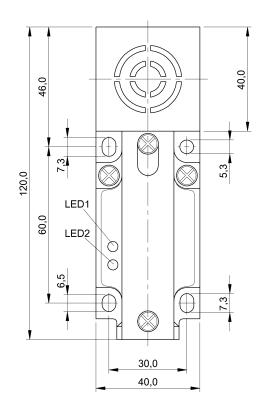
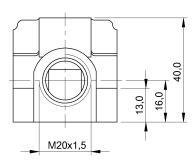
BES 517-132-M3-H Order Code: BES0201









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

Function indicator yes Power indicator yes

Electrical connection

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

Electrical data

Subject to change without notice: 121368

Load capacitance max. at Ue 1 μF Min. operating current Im 0 mA No-load current lo max., damped 20 mA No-load current lo max., undamped 15 mA 10...55 VDC Operating voltage Ub 33.0 kOhm + D Output resistance Ra **Protection class** Rated insulation voltage Ui 250 V AC Rated operating current le 200 mA Rated operating voltage Ue DC 24 V Rated short circuit current 100 A Ready delay tv max. 30 ms Residual current Ir max. 80 μΑ Ripple max. (% of Ue) 15 % Switching frequency 100 Hz DC -13 **Utilization category** 2.5 V Voltage drop static max.

Inductive Sensors

BES 517-132-M3-H Order Code: BES0201



Environmental conditions

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

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 IP67

Functional safety

MTTF (40 °C) 730 a

Material

PBT Housing material Material sensing surface PBT Mechanical data

Connection cross-section 2.5 mm²

Dimension 120 x 40 x 40 mm Installation for flush mounting

40x40

Tightening torque 4...5 Nm (M20x1.5)

Tightening torque clamping screw 0.8 Nm

Output/Interface

Cable fitting, thread size

Switching output PNP normally open/normally

closed (NO/NC)

M20x1.5

Range/Distance

Assured operating distance Sa 12 mm Hysteresis H max. (% of Sr) 20.0 % Rated operating distance Sn 15 mm Real switching distance sr 15 mm Repeat accuracy max. (% of Sr) 5.0 % Temperature drift max. (% of Sr) 10 % **Tolerance Sr** ±10 %

Remarks

LED 1: Function

LED 2: Operating voltage

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.

Wiring Diagrams

