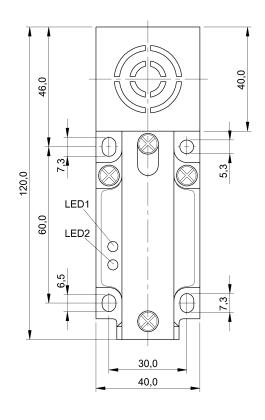
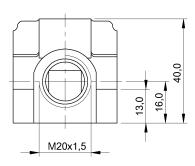
## BES 517-132-M5-H Order Code: BES0206







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#### **Basic features**

 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**

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 15 % Ripple max. (% of Ue) Switching frequency 60 Hz DC -13 **Utilization category** 2.5 V Voltage drop static max.

#### **Inductive Sensors**

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2.5 mm<sup>2</sup>

#### **Environmental conditions**

Ambient temperature -25...70 °C

Contamination scale 3

EN 60068-2-27, Shock

**B-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

Housing material PBT

Material sensing surface PBT

Mechanical data

Connection cross-section

**Dimension** 120 x 40 x 40 mm

Installation non-flush
Size 40x40

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

Tightening torque clamping screw 0.8 Nm

Output/Interface

Cable fitting, thread size M20x1.5

Switching output PNP normally open/normally

closed (NO/NC)

Range/Distance

Assured operating distance Sa 24 mm
Hysteresis H max. (% of Sr) 20.0 %
Rated operating distance Sn 30 mm
Real switching distance sr 30 mm
Repeat accuracy max. (% of Sr) 5.0 %
Temperature drift max. (% of Sr) 10 %

Tolerance Sr ±10 %

Remarks

LED 1: Function

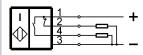
LED 2: Operating voltage

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**



Subject to change without notice: 121375