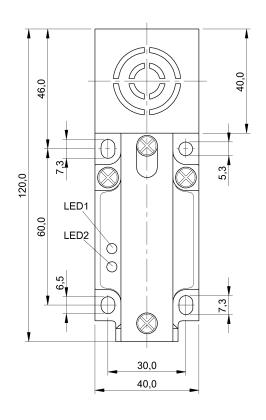
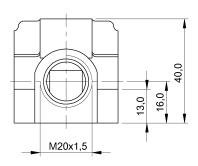
## BES 517-132-M4-H Order Code: BES0204







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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. 10 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-M4-H Order Code: BES0204

## BALLUFF

#### **Environmental conditions**

#### **Functional safety**

MTTF (40 °C) 730 a

#### **Interface**

 Cable fitting, thread size
 M20x1.5

 Switching output
 PNP normally open/normally closed (NO/NC)

#### Material

Housing material PBT
Material sensing surface PBT

#### Mechanical data

 Connection cross-section
 2.5 mm²

 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

#### Range/Distance

Assured operating distance Sa
Hysteresis H max. (% of Sr)
Rated operating distance Sn
Real switching distance sr
25 mm
20 mm
Repeat accuracy max. (% of Sr)
Temperature drift max. (% of Sr)
Tolerance Sr
16 mm
20 mm
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**

