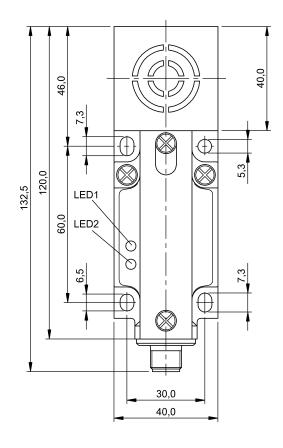
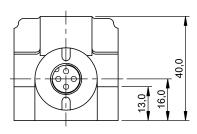
BES 517-132-M5-H-S4 Order Code: BES0207

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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

 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 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 60 Hz DC -13 **Utilization category** 2.5 V Voltage drop static max.

BES 517-132-M5-H-S4 **Order Code: BES0207**



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

Size

Dimension 132.5 x 40 x 40 mm Installation non-flush

Output/Interface

Switching output PNP normally open/normally

closed (NO/NC)

40x40

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

The sensor is functional again after the overload has been eliminated.

LED 1: Function

LED 2: Operating voltage

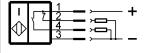
For more information about MTTF and B10d see MTTF / B10d Certificate

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



Subject to change without notice: 121358