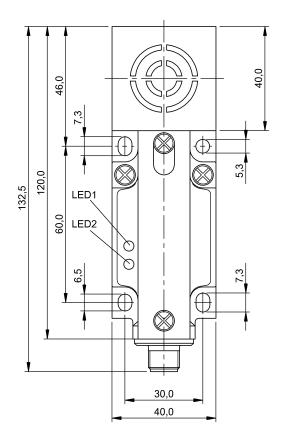
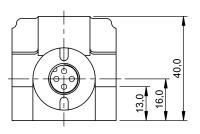
BES 517-132-M4-H-S4 Order Code: BES0205

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

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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

Housing material PBT

Material sensing surface PBT

Mechanical data

 Dimension
 132.5 x 40 x 40 mm

 Installation
 non-flush

 Size
 40x40

Output/Interface

Switching output PNP normally open/normally

closed (NO/NC)

Range/Distance

Assured operating distance Sa 16 mm

Hysteresis H max. (% of Sr) 20.0 %

Rated operating distance Sn 20 mm

Real switching distance sr 20 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

For single-side flush installation the switching distance is increased by up to 5 mm.

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

