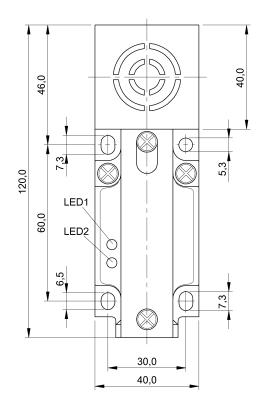
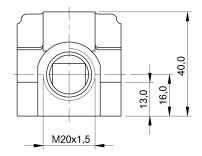
# Inductive Sensors BES 517-132-M6-H Order Code: BES0209



# EHE 🗵 🗆 CE

### **Basic features**

Approval/Conformity	CE FAC
	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
Operating voltage Ub	1055 VDC
Output resistance Ra	33.0 kOhm + D
Protection class	II
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	50 Hz
Utilization category	DC -13
Voltage drop static max.	2.5 V

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# BVLLAL

2.5 mm<sup>2</sup>

### **Environmental conditions**

		meenamear aaaa	
Ambient temperature	-2570 °C	Connection cross-section	
Contamination scale	3	Dimension	
EN 60068-2-27, Shock	Half-sinus, 30 gn, 11 ms	Installation	
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min	Size	
Protection degree	IP67	Tightening torque	
		Tightening torque clamping	
Functional safety			
MTTF (40 °C)	455 a	Output/Interface	
		Cable fitting, thread size	
Material		Switching output	
Housing material	PBT		
Material sensing surface	РВТ	Range/Distance	
		Assured operating distance	
		Hysteresis H max. (% of Sr)	
		Rated operating distance S	

### Mechanical data

Temperature drift max. (% of Sr)

**Tolerance Sr** 

••••••••••••••••••	210 11111
Dimension	120 x 40 x 40 mm
Installation	for flush mounting
Size	40x40
Tightening torque	45 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	
	16 mm
Hysteresis H max. (% of Sr)	16 mm 20.0 %
Hysteresis H max. (% of Sr) Rated operating distance Sn	
, ,	20.0 %

10 %

±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

