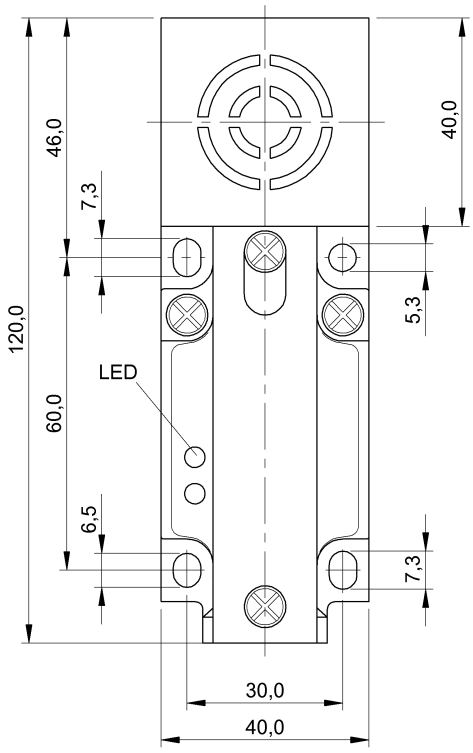
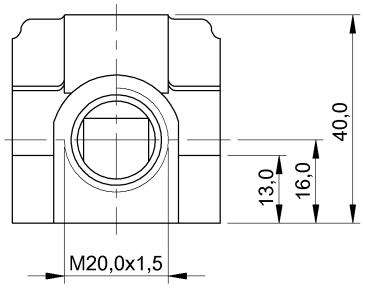
Inductive Sensors

BES 517-223-M5-E
Order Code: BES023Y





Basic features

Approval/Conformity	CE cULus EAC WEEE
Basic standard	IEC 60947-5-2

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Polarity reversal protected	yes
Short-circuit protection	yes

Electrical data

Min. operating current Im	5 mA
Operating voltage Ub	20...250 VDC/20...250 VAC
Protection class	II
Rated insulation voltage Ui	250 V AC
Rated operating current Ie	250 mA
Rated operating voltage Ue AC	110 V
Rated short circuit current	100 A
Ready delay tv max.	200 ms
Residual current Ir max.	1700 µA
Switching frequency	100 Hz
Utilization category	AC-140 DC -13
Voltage drop static max.	11.5 V

Environmental conditions

Ambient temperature	-25...70 °C
Contamination scale	3
EN 60068-2-27, Shock	Half-sinus, 30 g_n, 11 ms
EN 60068-2-6, Vibration	55 Hz, amplitude 1 mm, 3x30 min
IP rating	IP67

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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 clamping screw	0.8 Nm

Output/Interface

Cable fitting, thread size	M20x1.5
Switching output	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

Once the overload has been eliminated, interrupt operating voltage Vs for approx. 2 sec.
Programming of the switching function using internal switch: Position 1: NO (default)
Position 2: NC
Ta ≥ 25 °C… ≤ 70 °C: Ie= 250 - 1.6x(Ta-25)
NO/NC programmable.

Wiring Diagrams

