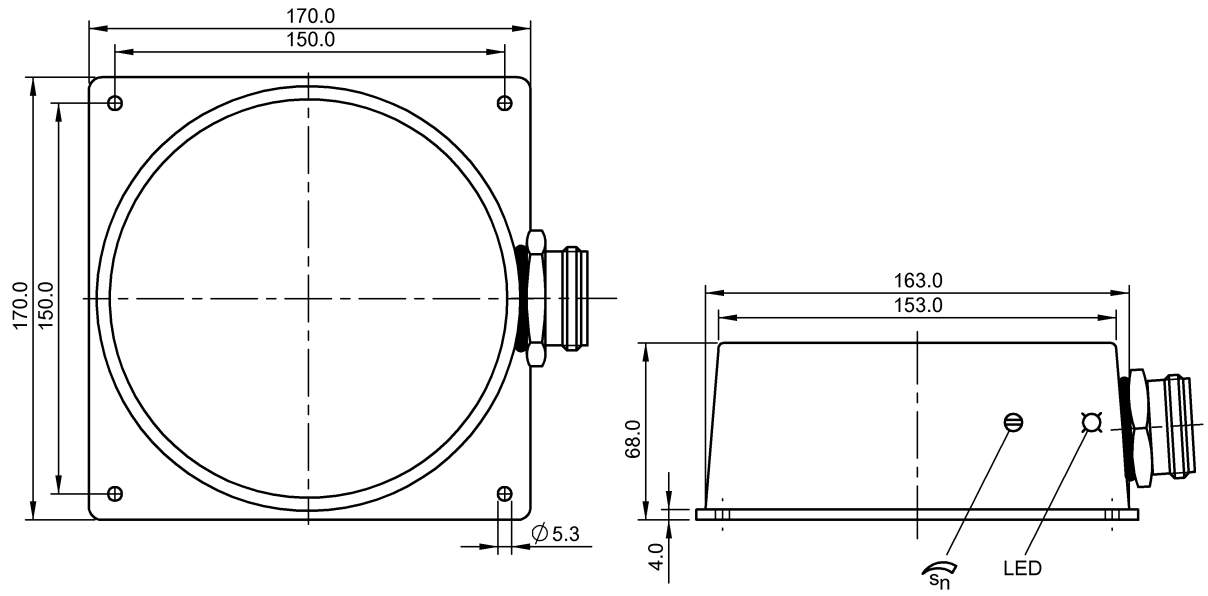


Inductive Sensors
BES IKO-S5-100-W-4-S
Order Code: BES02T5

BALLUFF



Basic features

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

Display/Operation

Function indicator	yes
Power indicator	no

Electrical connection

Connection	7/8"-16 UN2A
Polarity reversal protected	yes
Protection against device mix-ups	no
Short-circuit protection	yes

Electrical data

Min. operating current Im	5 mA
Operating voltage Ub	85...140 VAC
Rated insulation voltage Ui	140 V AC
Rated operating current Ie	500 mA
Rated operating voltage Ue AC	110 V
Rated short circuit current	100 A
Residual current Ir max.	1500 µA
Switching frequency	15 Hz
Utilization category	AC-140
Voltage drop static max.	10 V

Environmental conditions

Ambient temperature	-25...70 °C
IP rating	IP67

Interface

Switching output	normally open (NO)
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Material

Housing material	PE, Macrolon Polyester
Material sensing surface	Macrolon

Mechanical data

Dimension	170 x 170 x 68 mm
Installation	non-flush

Range/Distance

Assured operating distance Sa	80 mm
Hysteresis H max. (% of Sr)	15.0 %
Measuring range	50...120 mm
Rated operating distance Sn	100 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	10 %
Tolerance Sr	±10 %

Remarks

Protection class with protection screw installed for adjusting unit.

Connector Drawings



Wiring Diagrams

