

### 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 $I_m$	5 mA
Operating voltage $U_b$	20...260 VAC
Rated insulation voltage $U_i$	260 V AC
Rated operating current $I_e$	400 mA
Rated operating voltage $U_e$ AC	110 V
Rated short circuit current	100 A
Residual current $I_r$ max.	1500 $\mu$ A
Switching frequency	25 Hz
Utilization category	AC-140
Voltage drop static max.	10 V

### Environmental conditions

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

### Interface

Switching output	Test normally open (NO)
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Inductive Sensors  
**BES IKN-S5-070-W-4-S**  
Order Code: BES02T0

**BALLUFF**

**Material**

Housing material	PE, Macrolon Polyester
Material sensing surface	Macrolon

**Mechanical data**

Dimension	110 x 110 x 43 mm
Installation	non-flush
Size	110x110x43

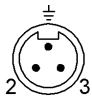
**Range/Distance**

Assured operating distance Sa	56 mm
Hysteresis H max. (% of Sr)	15.0 %
Measuring range	35...105 mm
Rated operating distance Sn	70 mm
Repeat accuracy max. (% of Sr)	5.0 %
Temperature drift max. (% of Sr)	5 %
Tolerance Sr	±10 %

**Remarks**

Protection class with protection screw installed for adjusting unit.

**Connector Drawings**



**Wiring Diagrams**

