

- Plastic housing Ø 95 mm
- Rated operating distance (S_n) 70 mm
- Mounting with central plastic screw
- Sensor protection by shearing off the mounting screw
- NPN normally open



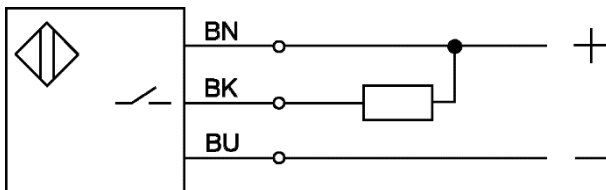
Product Characteristics

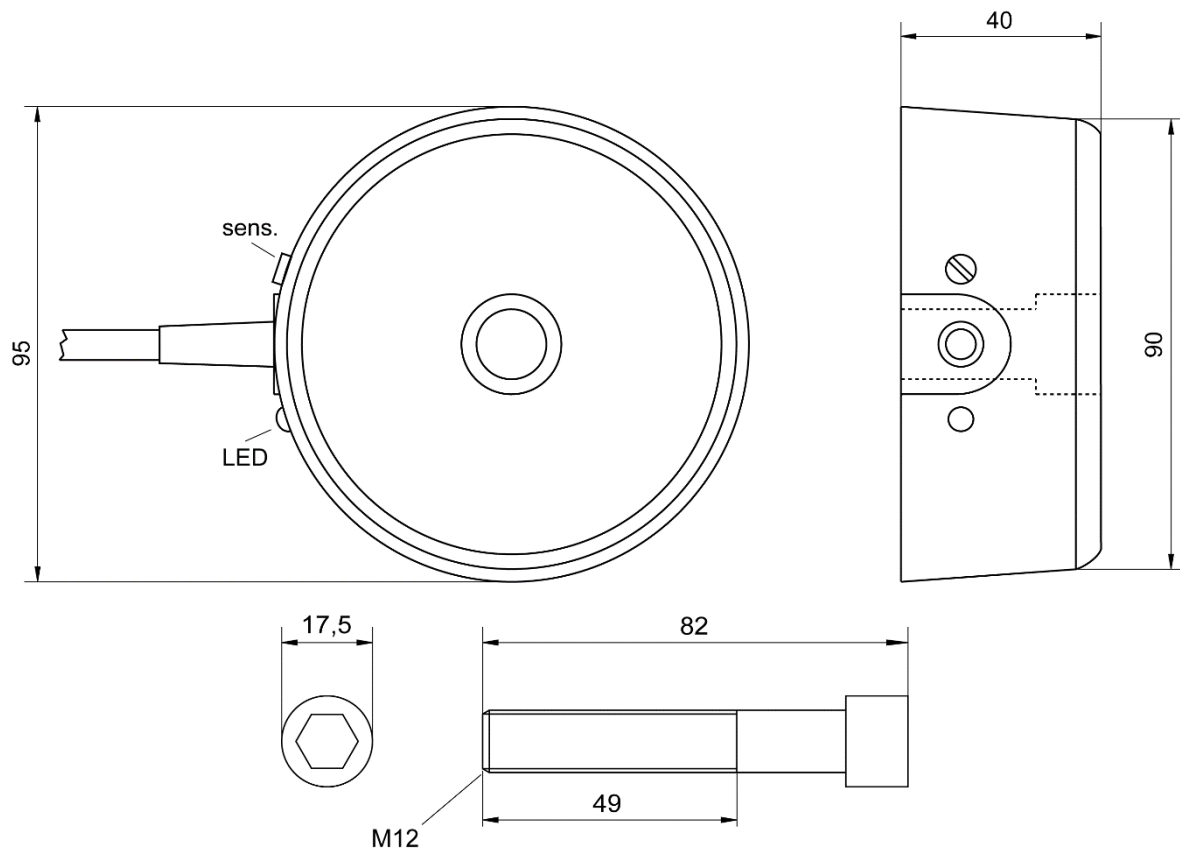
Type	IKM 070.31 G
Connection	Art.-No.
2 m PVC cable	2021F
5 m PVC cable	2021F-5
10 m PVC cable	2021F-10
15 m PVC cable	2021F-15
20 m PVC cable	2021F-20
Application	Non-contact detection of metallic objects

Technical Data

Rated operating distance (S_n)	70 mm
Target steel St37, 1 mm thick	210 x 210 mm
Operating distance adjustable	yes
Switching hysteresis (H)	1 - 15 %
Location at metal	non flush
Supply voltage (U_B)	10 - 55 V DC
Ripple voltage	max. 15 %
Output	NPN normally open
Continuous current	0 - 400 mA
Short-circuit protection	yes, pulsing
No-load current (I_0)	< 10 mA
Voltage drop (U_d)	< 2 V
Operating frequency (f)	90 Hz
Ambient temperature	-25 ... +70 °C
Protection class	IP 67
Housing material	plastic
Functional display	LED

Connection



Dimension (mm)

Accessories (in scope of supply)

	Type	Art.-No.
Mounting screw polyamide M12x70 mm	HNS 72	9833A
Cover cap for mounting screw	HAK M	9877A

Accessories (not in scope of supply)

	Type	Art.-No.
Heat protection cover to protect the sensor surface from radiant heat up to 260 °C	HKP K M	9810F

Further information

	Document
Operating manual	BDA_IK_D_E