

IRDBD 4 NSOK-IBS

Inductive Wire Break Sensor

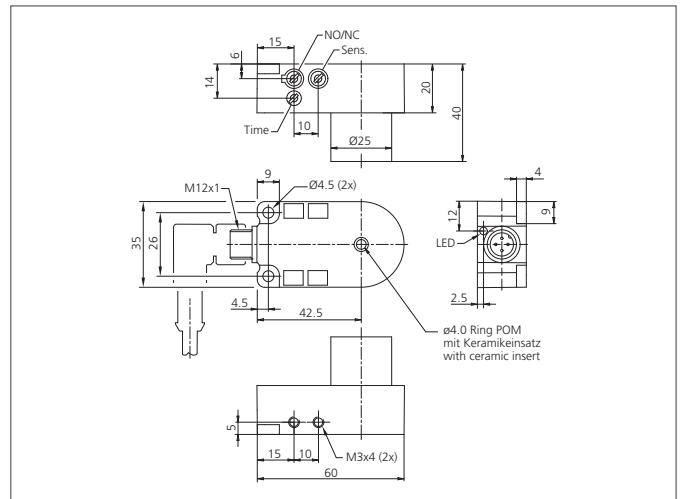
- Compact design
- Wear-resistant ceramic insert
- High resolution
- Short response time
- Pulse stretching adjustable
- Dynamic operating principle
- Insensitive to dirt
- Metal connector
- High protection class



Safety instructions

The Instruments are not to be used for safety applications, in particular applications in which safety of persons depends on proper operation of the instruments.

These instruments shall exclusively be used by qualified personnel.



TECHNICAL INFORMATION (typ.)		+20°C, 24V DC
Operating principle		Dynamic
Inside diameter		4,0 mm
Service voltage		10 ... 35 V DC (Supply Class 2)
No-load current		< 20 mA
Resolution		Ø 0,1 mm (Cu-wire)
Sensitivity adjustment		potentiometer
Mounting distance to metal		> 2 mm
Switching output		npn, 200 mA, NO/NC, switchable
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Speed of parts		< 35 m/s
Pulse stretching		0,1 ... 150 ms adjustable
Voltage drop		< 2,0 V
Response-/release time		0,20 ms / 0,20 ms
Ambient temperature, operation		-25 ... +70 °C
Insulation voltage endurance		1.000 V
Protection class		IP 67
Protection degree		III, operation on protective low voltage
Casing material		polyamide / Ring POM + ceramic insert
Connection		Connector, M12, 4-poled
Connecting cable		VK ...