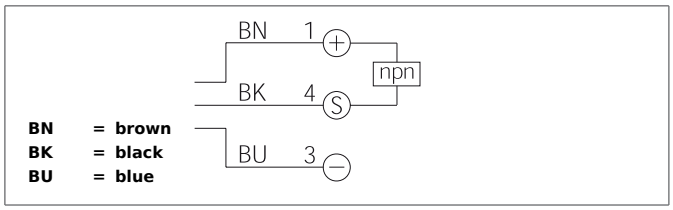
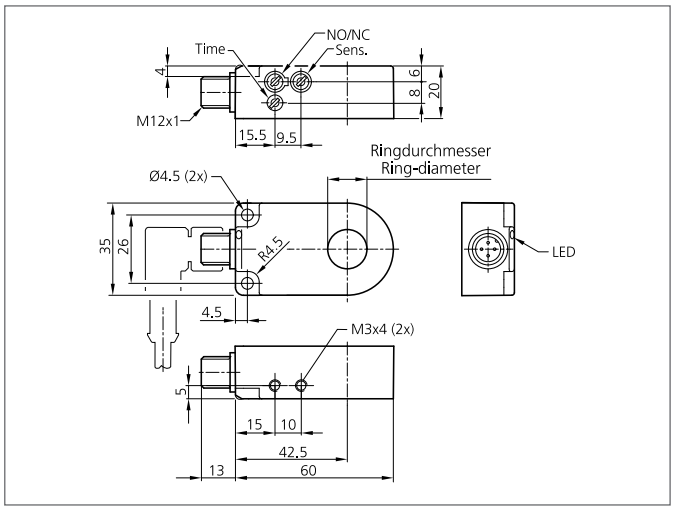
IRD 25 NSOK-IBS
Inductive Ring Sensor

- High resolution
- Short response time
- Sensitivity and pulse stretching adjustable
- Insensitive to dirt
- Dynamic operating principle
- 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
Ring-diameter	25,1 mm
Service voltage	10 ... 35 V DC (Supply Class 2)
Internal power consumption	< 20 mA
Resolution	Ø 1,2 mm
Sensitivity adjustment	potentiometer
Mounting distance to metal	> 5 mm
Switching output	npn, 200 mA, NO/NC, switchable
Speed of parts	< 35 m/s
Minimum parts speed	0,1 m/s
Pulse stretching	0,1 ... 150 ms adjustable
Voltage drop	< 2,0 V
Response-/release time	0,2 ms / 0,2 ms
Ambient temperature	-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
Connection	Connector, M12, 4-poled
Connecting cable	VK ...