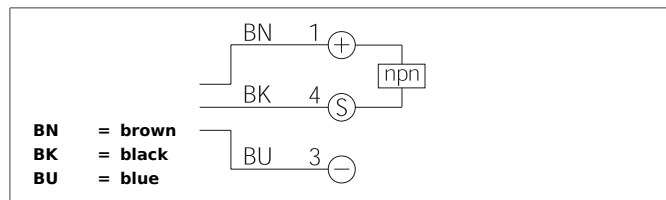


IRB 20 NS-B3

Inductive Ring Sensor

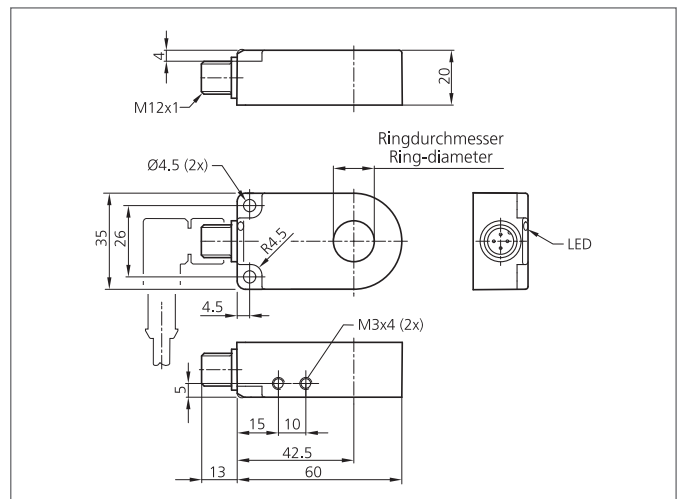


- Quick commissioning, no setting elements
- No risk of wrong adjustments
- High protection class IP 67
- Short response time
- Insensitive to dirt
- Static working principle
- Metal connector



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		Static
Ring-diameter		20,1 mm
Service voltage		10 ... 35 V DC (Supply Class 2)
Internal power consumption		< 11 mA
Resolution		Ø 3 mm
Sensitivity adjustment		no setting elements
Switching output		npn, 200 mA, NO
Recovery time		300 ms
Shock-/vibration load		10 ... 55 Hz / 1,0 mm / 30 g
Speed of parts		< 35 m/s
Pulse stretching		150 ms
Voltage drop		< 2,0 V
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 ...