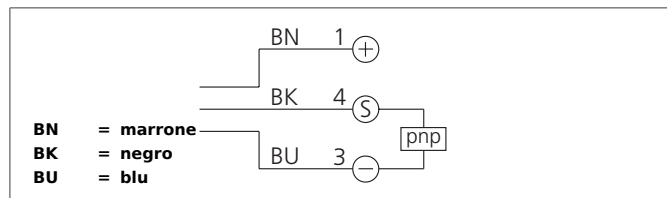


IRB 20 PS-B3

Inductive Ring Sensor



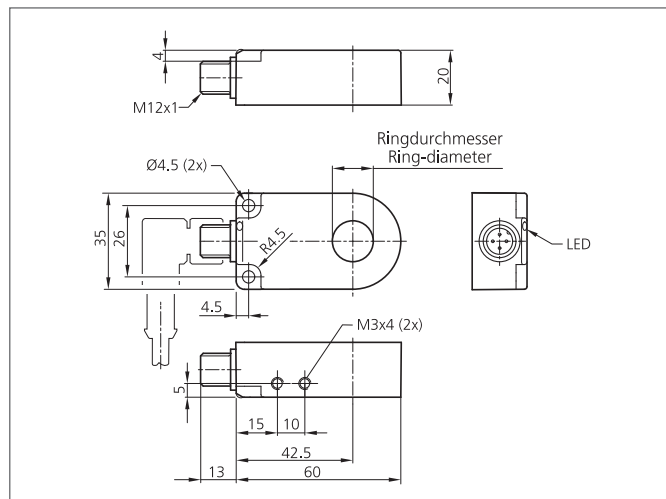
- Quick commissioning, no setting elements
- No risk of wrong adjustments
- High protection class IP 67
- Short response time
- Insensitive to dirt
- Static working principle
- Metal connector



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
Inside diameter	20,1 mm
Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current	< 11 mA
Resolution	Ø 3,0 mm
Sensitivity adjustment	no setting elements
Switching output	pnp, 200 mA, NO
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
Readiness delay	< 300 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
Connection	Connector, M12, 4-poled
Connecting cable	VK ...