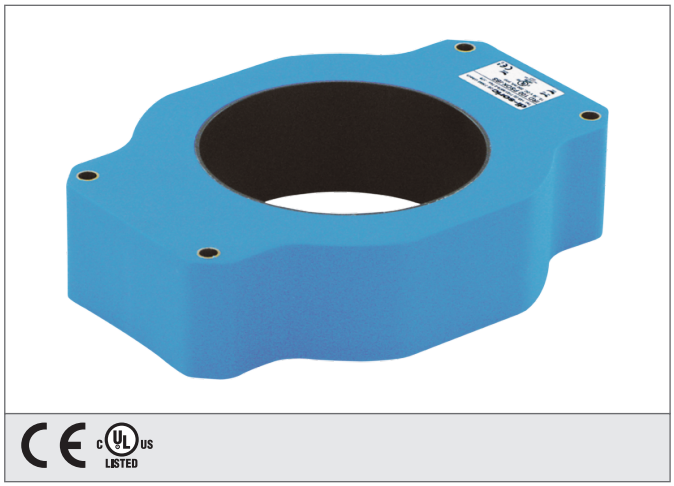
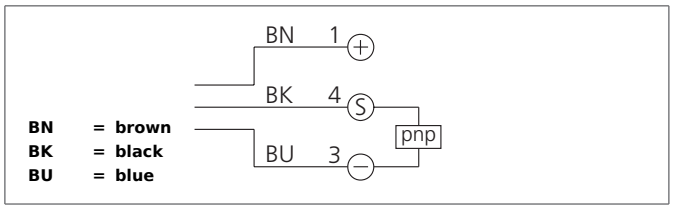
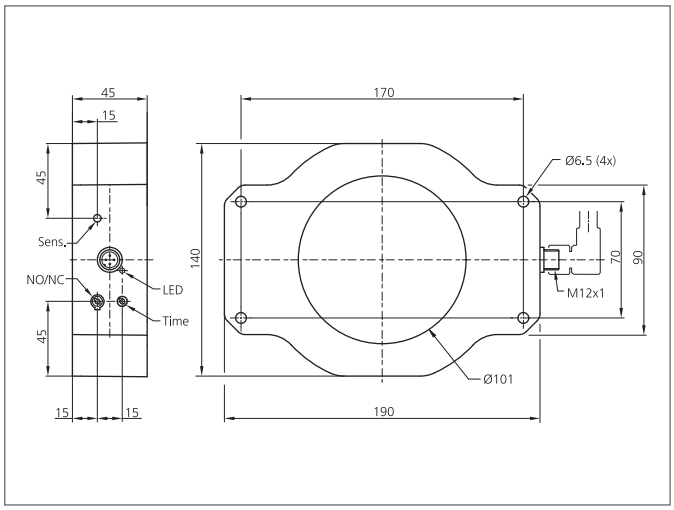
IR 100 PSOK-IBS
Inductive Ring Sensor

- High resolution
- Short response time
- Sensitivity and pulse stretching adjustable
- Insensitive to dirt
- Static working 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	Static
Inside diameter	101 mm
Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current	< 15 mA
Resolution	Ø 10 mm
Sensitivity adjustment	potentiometer
Mounting distance to metal	> 80 mm
Switching output	pnp, 200 mA, NO/NC, switchable
Shock-/vibration load	10 ... 55 Hz / 1,0 mm / 30 g
Speed of parts	< 25 m/s
Pulse stretching	10 ... 150 ms adjustable
Voltage drop	< 2,0 V
Response-/release time	0,50 ms / 10 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 ...