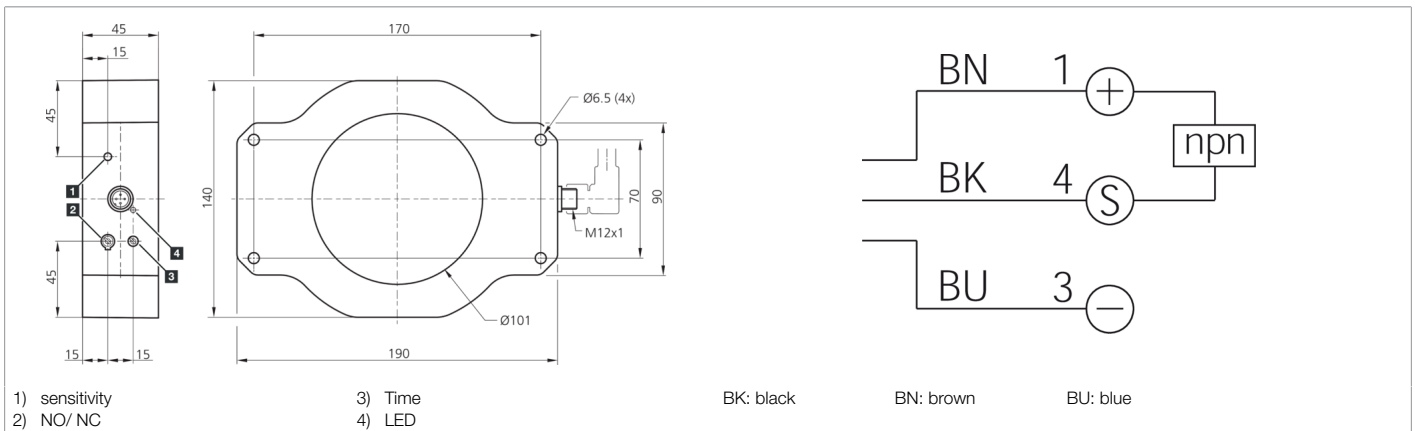
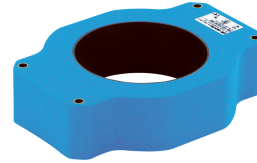








**204146**  
**IRD 100 NSOK-IBS**  
**Inductive ring sensor**

- High resolution
- Short response time
- Sensitivity and pulse stretching adjustable
- Resistant to dirt
- Dynamic operating principle
- Metal connector
- High protection type



Function											
											

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 ... 35 V DC (Supply Class 2)
No-load current (max.)	20 mA
Insulation voltage endurance	1000 V
Internal diameter	101 mm
Assembly distance to metal (min.)	30 mm
Housing material	Plastic (PA)
Material	POM (Ring)
Protection class	III, operation on protective low voltage
Approvals	UL
Operating principle	inductive
Evaluation	Dynamic
Switching output	npn, 200 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Pulse stretching	0.1 ... 150 ms adjustable
Resolution	Ø 5.0 mm
Sensitivity adjustment	Potentiometer
Speed of parts (max.)	25 m/s
Speed of parts (min.)	0.1 m/s
Response time	0.20 ms
Release time	0.20 ms
Ambient temperature during operation	-25 ... +70 °C
Protection type	IP 67
Connection	Connector, M12, 4-pin, A-coded
Connection cable	VK ...



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Inductive ring sensor

[More information / accessories](#)

<https://www.di-soric.com/204146>