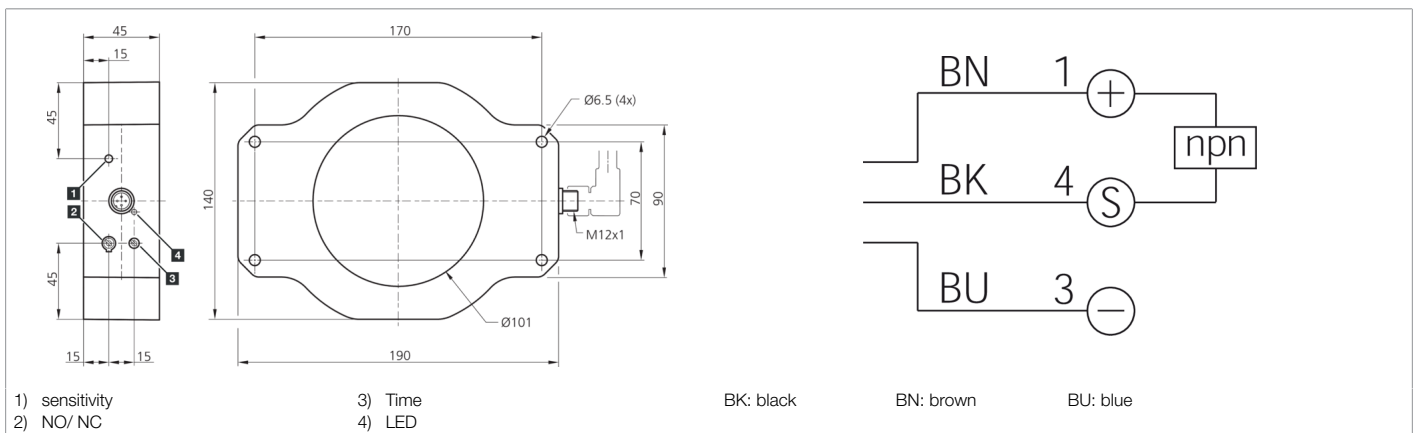
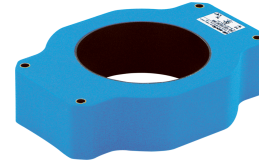




204146
IRD 100 NSOK-IBS
Inductive ring sensor

- 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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[More information / accessories](#)

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