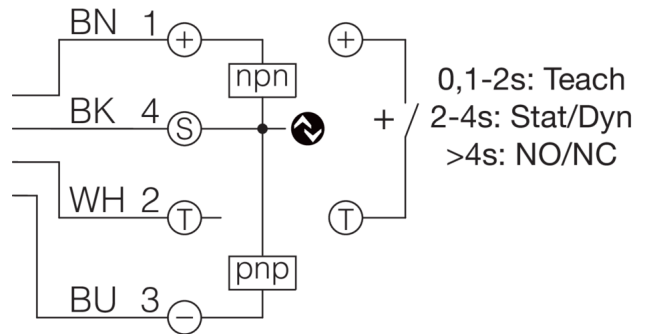
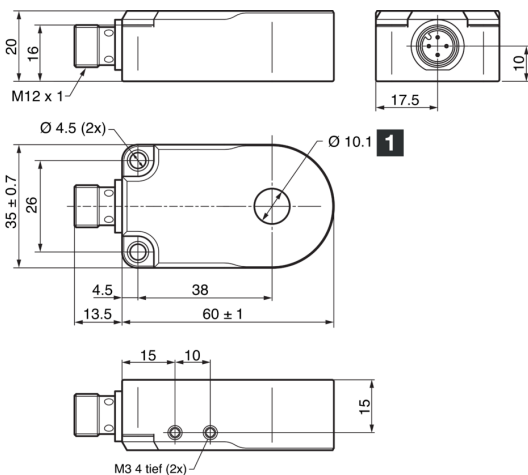




213667 IRSD-10-G3-B4 Inductive ring sensor

- High resolution
- Short response time
- Sensitivity and pulse stretching adjustable
- Resistant to dirt
- Switchable between static and dynamic operating principle
- Metal connector
- High protection type
- Frequency switchable for reducing the installation distance
- Intelligent teach-in process
- Remote Teach



1) Ring diameter

BK: black

BN: brown

BU: blue

WH: white

Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	10 ... 30 V DC
No-load current (max.)	30 mA
Insulation voltage endurance	500 V

Mechanical features

Internal diameter	10.1 mm
Housing material	Plastic (PA)
Material	POM (Ring)

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL

General features

Operating principle	Dynamic/static switchable (IO-Link / PIN 2)
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Output, input, interface

Switching output	Push-pull/PNP/NPN, 100 mA, NO/NC, switchable
Voltage drop (max.)	2 V
Interface	IO-Link
Pulse stretching	adjustable



213667

IRSD-10-G3-B4

Inductive ring sensor

Technical data (typ.)

+20°C, 24 V DC

Detection range, measuring range, tolerance limits

Resolution steel ball (high functional reliability)	0.9 mm (dynamic), 2 mm (static)
Resolution steel ball (smallest object size)	0.6 mm (dynamic), 1.5 mm (static)

Display, operation

Sensitivity adjustment	IO-Link
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Time behavior

Speed of parts (max.)	35 m/s
Speed of parts (min.)	0.1 m/s (dynamic)
Readiness delay (max.)	300 ms

Ambient conditions

Shock/vibration load	30 g, 11 ms / 10 ... 55 Hz, 1.0 mm
Ambient temperature during operation	-25 ... +70 °C
Permissible relative humidity	< 95% (+25°C) / < 90% (+40°C), non-condensing (increased humidity affects the sensor nominal resolution)
Protection type	IP 67

Electrical connection

Connection	Connector, M12, 4-pin, A-coded
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Accessories

Connection cable	VK ...
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More information / accessories

<https://www.di-soric.com/213667>