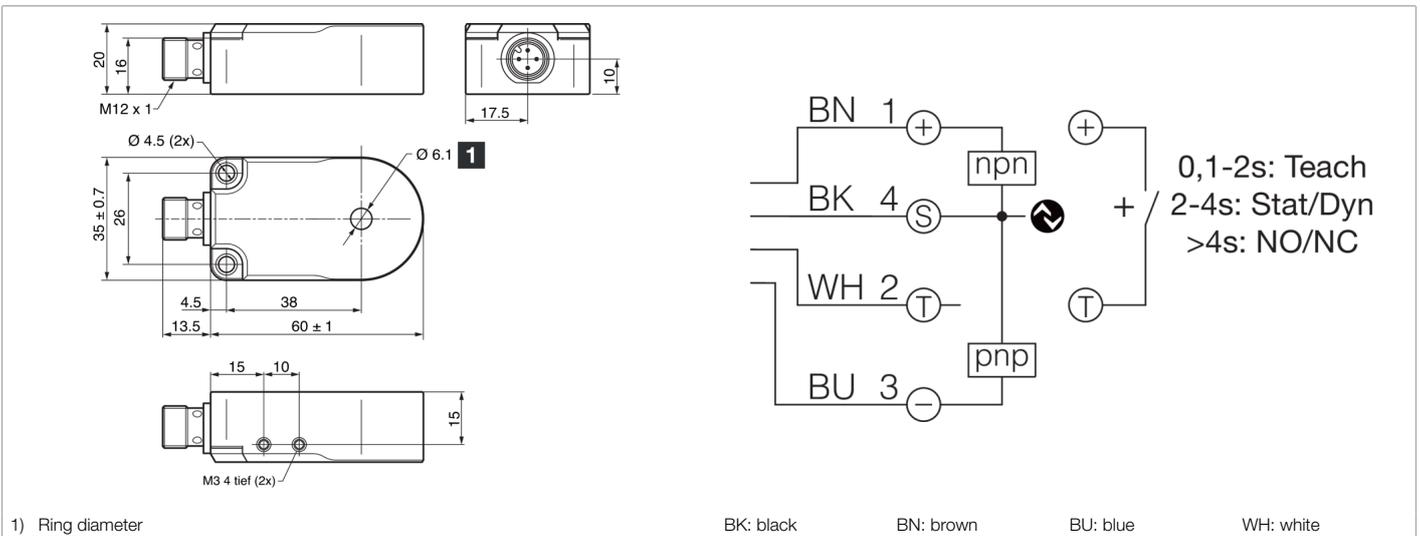


**213666**  
**IRSD-6-G3-B4**  
**Inductive ring sensor**

- 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



**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	6.1 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



**213666**  
**IRSD-6-G3-B4**  
**Inductive ring sensor**

<b>Technical data (typ.)</b>	<b>+20°C, 24 V DC</b>
<b>Detection range, measuring range, tolerance limits</b>	
Resolution steel ball (high functional reliability)	0.7 mm (dynamic), 1.3 mm (static)
Resolution steel ball (smallest object size)	0.5 mm (dynamic), 1 mm (static)
<b>Display, operation</b>	
Sensitivity adjustment	IO-Link
<b>Time behavior</b>	
Speed of parts (max.)	35 m/s
Speed of parts (min.)	0.1 m/s (dynamic)
Readiness delay (max.)	300 ms
<b>Ambient conditions</b>	
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
<b>Electrical connection</b>	
Connection	Connector, M12, 4-pin, A-coded
<b>Accessories</b>	
Connection cable	VK ...
<b>More information / accessories</b>	<b><a href="https://www.di-soric.com/213666">https://www.di-soric.com/213666</a></b>