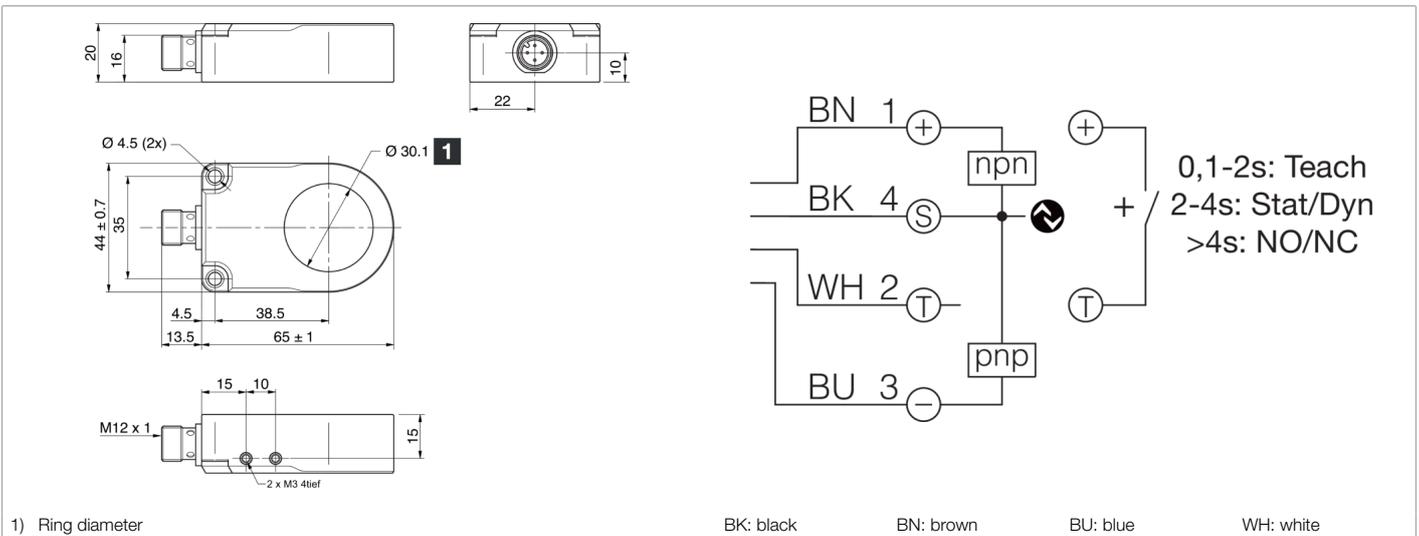




213671
IRSD-30-G3-B4
Inductive ring sensor

- 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	30.1 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)	
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	



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Inductive ring sensor

Technical data (typ.)	+20°C, 24 V DC
Detection range, measuring range, tolerance limits	
Resolution steel ball (high functional reliability)	2.5 mm (dynamic), 5 mm (static)
Resolution steel ball (smallest object size)	1.8 mm (dynamic), 4 mm (static)
Display, operation	
Sensitivity adjustment	IO-Link
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
Accessories	
Connection cable	VK ...
More information / accessories	https://www.di-soric.com/213671