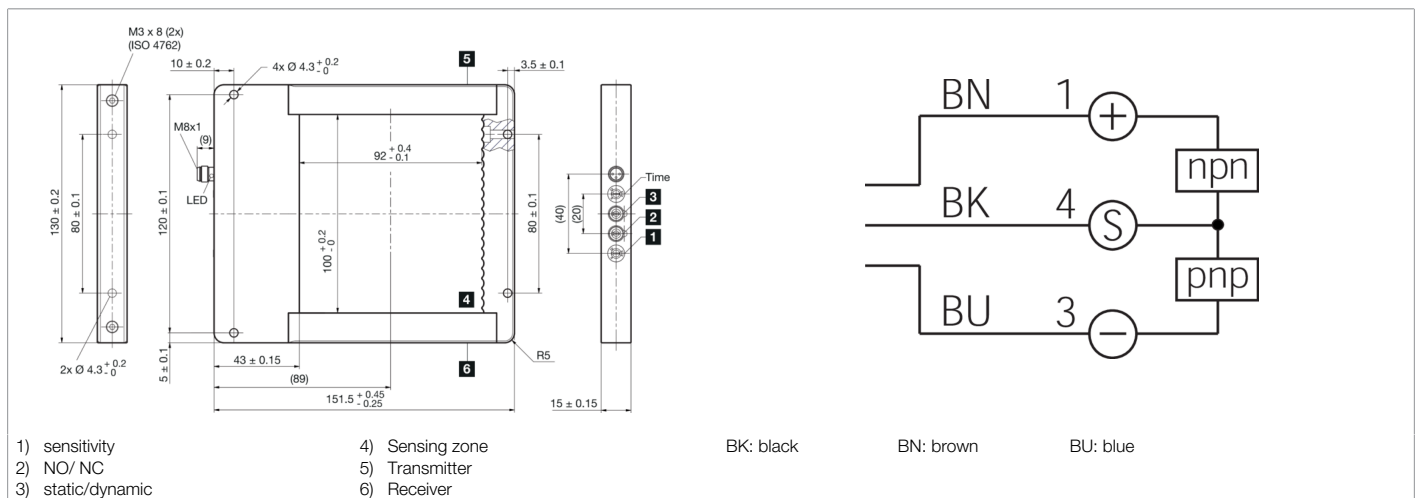




213103 OGWSD-100G3-T3 Frame light barrier

- IO-Link
- Frame structure
- Robust metal housing
- Baffle protection at the optics
- Cross bar, removable
- High resolution
- Short response time
- Potentiometer for adjustment
- Operating principle: dynamic or static
- 4 operating modes as an IO-Link parameter



Function



Technical data (typ.)

+20°C, 24 V DC

Electrical features

Service voltage	18 ... 30 V DC
No-load current (max.)	45 mA
Inverse polarity protection	Yes
Short-circuit protection	Yes

Mechanical features

Housing dimensions	151.5 x 130 x 15 mm
Housing length	151.5 mm
Housing height	15 mm
Housing width	130 mm
Housing material	Aluminum (Black, Anodized)
Material	Plastic (Window)
Weight	300 g

Certifications, approvals

Protection class	III, operation on protective low voltage
Approvals	UL

General features

Operating principle	Optical
Evaluation	Switching, Dynamic/static switchable



213103 OGWSD-100G3-T3 Frame light barrier

Technical data (typ.)		+20°C, 24 V DC
Functional scope		
Operating modes	Static, Dynamic, Shadowing	
Output, input, interface		
Switching output	Push-pull, 100 mA, NO/NC, switchable	
Voltage drop (max.)	2 V	
Interface	■ IO-Link V1.1.3, COM2 (Smart Sensor Profile) ■ 2nd Edition V1.1 SSP 4.1.1	
Pulse stretching	0 ... 150 ms adjustable	
Optical data		
Light source	LED	
Color	Infrared	
Detection range, measuring range, tolerance limits		
Detection range	100 x 92 mm	
Resolution	Ø 3.0 mm (static), Ø 2.5 mm (dynamic)	
Display, operation		
Sensitivity adjustment	Potentiometer	
Display	LED yellow - Switching output	
Time behavior		
Response time	0.05 ms	
Release time	0.05 ... 10000 ms	
Ambient conditions		
Ambient temperature during operation	-10 ... +60 °C	
Protection type	IP 67	
Electrical connection		
Connection	Connector, M8, 3-pin	
Accessories		
Connection cable	TK ...	
More information / accessories		https://www.di-soric.com/213103