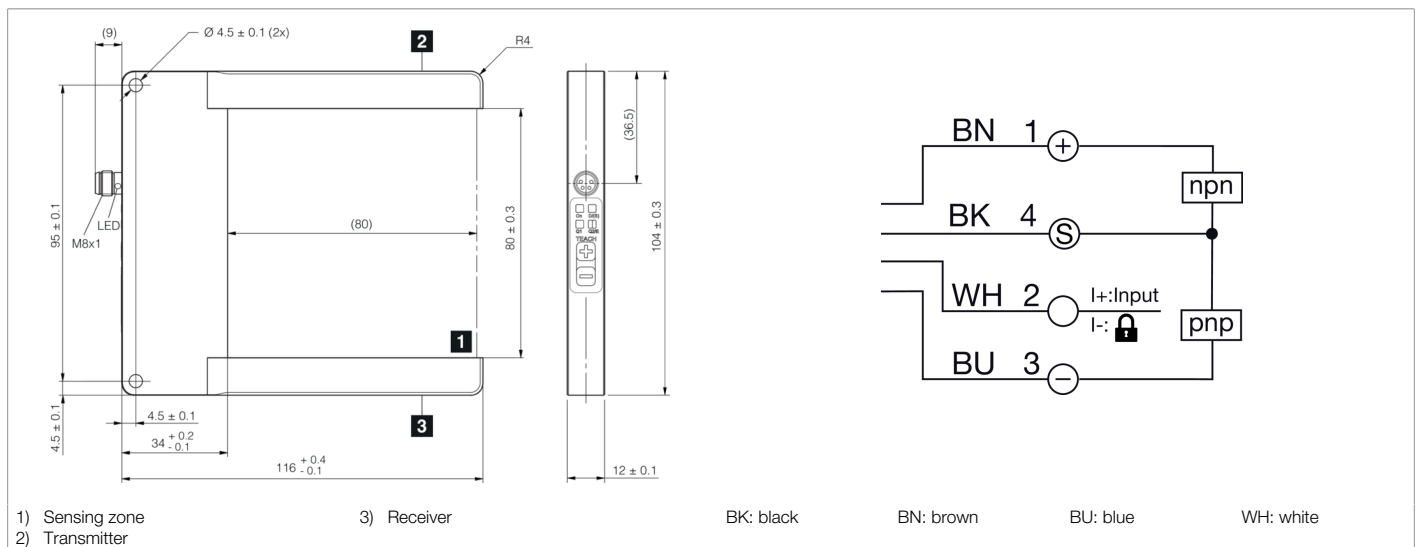




213355 OGWTI-80G3-T4 Frame light barrier

- IO-Link
- Fork structure
- Robust metal housing
- Compact design
- High resolution
- Short response time
- Intuitive teach-in using a membrane keyboard and with fine 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	116 x 104 x 12 mm
Housing length	116 mm
Housing height	12 mm
Housing width	104 mm
Housing material	Die-cast zinc (Black, powder-coated)
Material	Plastic (Window)
Weight	186 g

Certifications, approvals

Approvals	UL
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213355

OGWTI-80G3-T4

Frame light barrier

Technical data (typ.)		+20°C, 24 V DC
General features		
Operating principle	Optical	
Evaluation	Switching, Dynamic/static switchable	
Design	Fork	
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	20 ms adjustable	
Optical data		
Light source	LED	
Color	Infrared	
Detection range, measuring range, tolerance limits		
Detection range	80 x 80 mm	
Resolution	Ø 1.5 mm (dynamic), Ø 2.0 mm (static)	
Display, operation		
Sensitivity adjustment	Keypad	
Display	LED green - Status, yellow - Switching output 1, white - static/dynamic, yellow/red - Switching output 2 / Warning	
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, 4-pin	
Accessories		
Connection cable	TK ... /4	
More information / accessories		https://www.di-soric.com/213355