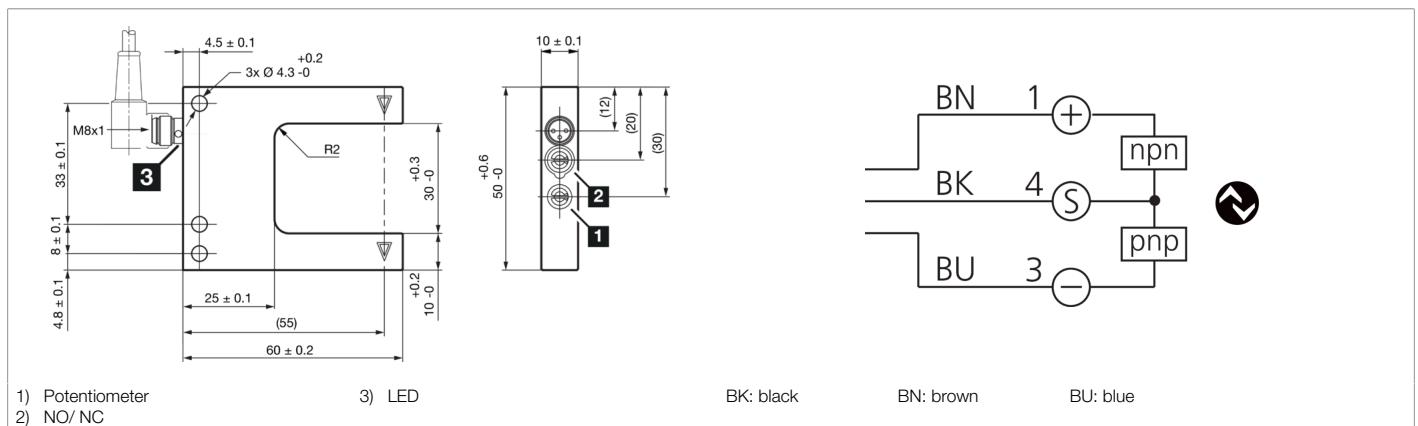




210243 OGU 031 G3-T3 Fork light barrier

- 4 operating modes as an IO-Link parameter
- Switch-on/off delay as an IO-Link parameter
- Diagnostics with IO-Link
- Metal casing
- Sensitivity is adjustable
- High switching frequency
- Light/dark switching
- Bright ring LED
- High protection type



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															
Fork opening						30 mm									
Leg length internal						35 mm									
Housing dimensions						50 x 60 x 10 mm									
Housing length						60 mm									
Housing height						50 mm									
Housing width						10 mm									
Housing material						Die-cast zinc (Black, powder-coated)									
Certifications, approvals															
Protection class						III, operation on protective low voltage									
Approvals						UL									
General features															
Operating principle						Optical									
Evaluation						digital									
Design						Fork									
Functional scope															
Operation modes						STANDARD, HIGH RESOLUTION, POWER, SPEED									



210243

OGU 031 G3-T3

Fork light barrier

Technical data (typ.)		+20°C, 24 V DC
Output, input, interface		
Switching output	Push-pull, 100 mA, NO/NC, switchable	
Interface	IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)	
Optical data		
Light source	LED	
Color	Red	
Modulation	Clocked	
Detection range, measuring range, tolerance limits		
Resolution (factory setting)	0.3 mm (STANDARD)	
Reproducibility (factory setting)	0.02 mm (STANDARD)	
Resolution (STANDARD)	0.3 mm	
Reproducibility (STANDARD)	0.02 mm	
Resolution (HIGH RESOLUTION)	0.2 mm	
Reproducibility (HIGH RESOLUTION)	0.02 mm	
Resolution (POWER)	1 mm	
Reproducibility (POWER)	0.02 mm	
Resolution (SPEED)	0.3 mm	
Reproducibility (SPEED)	0.02 mm	
Display, operation		
Sensitivity adjustment	Potentiometer or IO-Link	
Time behavior		
Switching frequency (factory setting)	5000 Hz (STANDARD)	
Switching frequency (STANDARD)	5000 Hz	
Switching frequency (HIGH RESOLUTION)	1500 Hz	
Switching frequency (POWER)	250 Hz	
Switching frequency (SPEED)	8000 Hz	
Ambient conditions		
Ambient temperature during operation	-25 ... +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/210243