

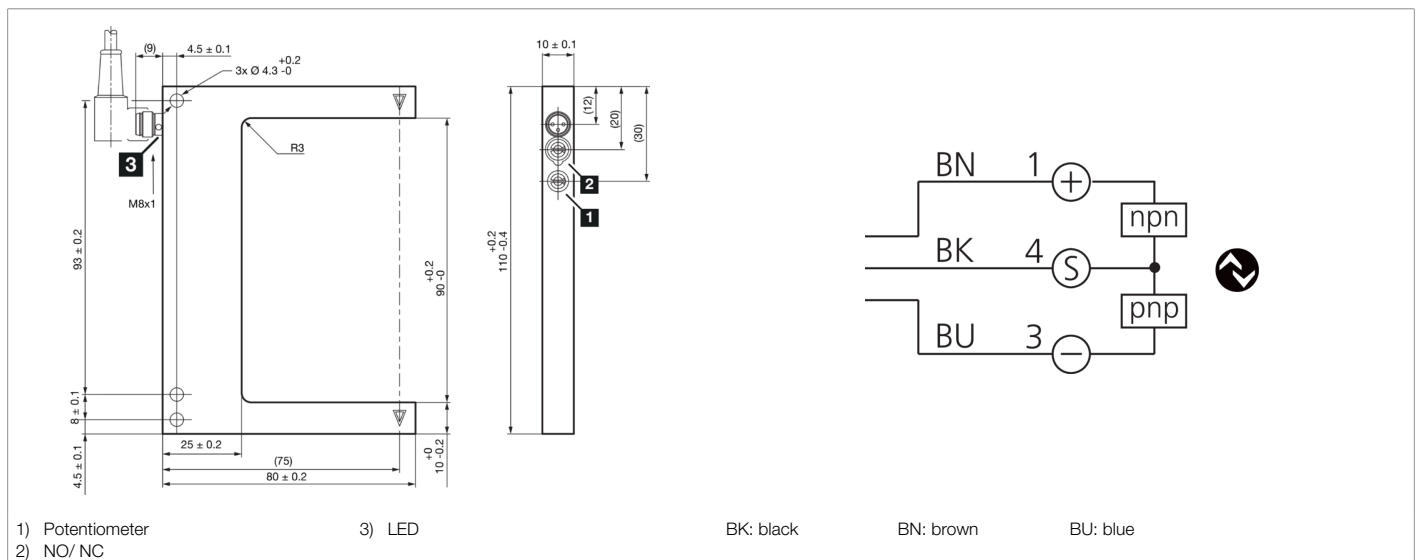


210913

OGU 091 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						
Service voltage							10 ... 30 V DC						
No-load current (max.)							30 mA						
Insulation voltage endurance							500 V						
Leg length internal							55 mm						
Housing dimensions							110 x 80 x 10 mm						
Housing length							80 mm						
Housing height							110 mm						
Housing width							10 mm						
Housing material							Aluminum (Black, Anodized)						
Protection class							III, operation on protective low voltage						
Operating principle							Optical						
Evaluation							digital						
Design							Fork						
Operation modes							STANDARD, HIGH RESOLUTION, POWER, SPEED						
Switching output							Push-pull, 100 mA, NO/NC, switchable						
Interface							IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)						
Light source							LED						
Color							red						
Modulation							Clock						



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Technical data (typ.)	+20°C, 24 V DC
Fork opening	90 mm
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
Sensitivity adjustment	Potentiometer or IO-Link
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 temperature during operation	-25 ... +60 °C
Protection type	IP 67
Connection	Connector, M8, 3-pin
Connection cable	TK ...
More information / accessories	https://www.di-soric.com/210913