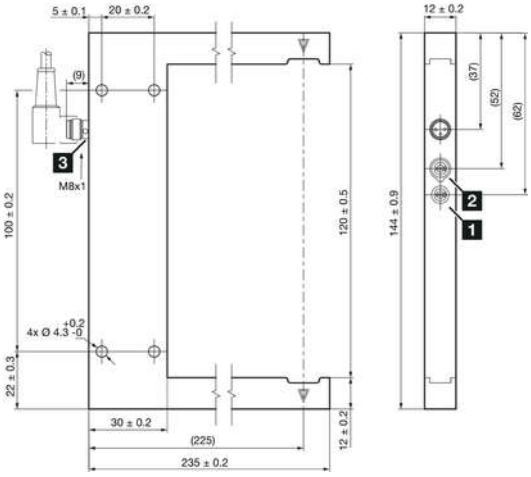
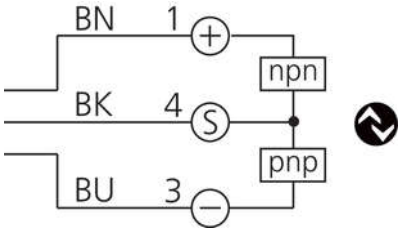
212816
OGU 121/205 G3-T3
Fork light barrier

- Light/dark switching
- IO-Link
- 4 operating modes as an IO-Link parameter
- Switch-on/off delay as an IO-Link parameter
- Diagnostics with IO-Link
- Electronics integrated
- Sensitivity is adjustable
- High switching frequency
- Bright ring LED
- 5-year warranty







1) Potentiometer
2) NO/ NC
3) LED 4 x 90° (yellow)

BK: black
BN: brown
BU: blue

Function
IO-Link

Technical data (typ.)	+20°C, 24 V DC
Service voltage	10 … 30 V DC (Supply Class 2)
No-load current (max.)	30 mA
Insulation voltage endurance	500 V
Leg length internal	205 mm
Housing dimensions	144 x 235 x 12 mm
Housing length	235 mm
Housing height	144 mm
Housing width	12 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	Clocked

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Technical data (typ.)	+20°C, 24 V DC
Fork opening	120 mm
Resolution (factory setting)	0,5 mm (STANDARD)
Reproducibility (factory setting)	0,02 mm (STANDARD)
Resolution (STANDARD)	0,5 mm
Reproducibility (STANDARD)	0,02 mm
Resolution (HIGH RESOLUTION)	0,3 mm
Reproducibility (HIGH RESOLUTION)	0,02 mm
Resolution (POWER)	1,5 mm
Reproducibility (POWER)	0,02 mm
Resolution (SPEED)	0,5 mm
Reproducibility (SPEED)	0,02 mm
Sensitivity adjustment	Potentiometer or IO-Link
Switching frequency (factory setting)	5.000 Hz (STANDARD)
Switching frequency (STANDARD)	5.000 Hz
Switching frequency (HIGH RESOLUTION)	1.500 Hz
Switching frequency (POWER)	250 Hz
Switching frequency (SPEED)	8.000 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/212816

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