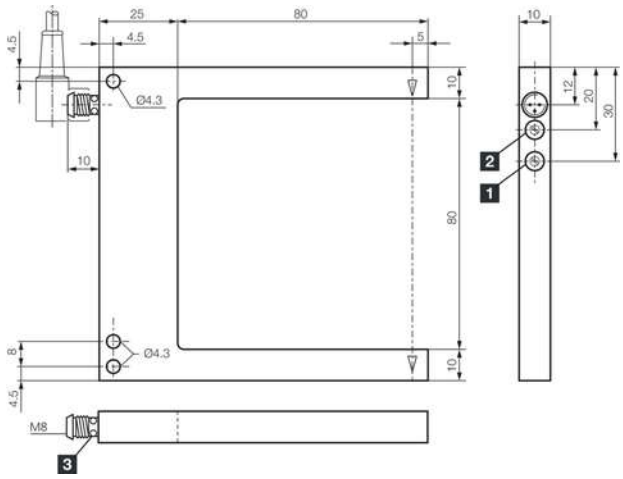
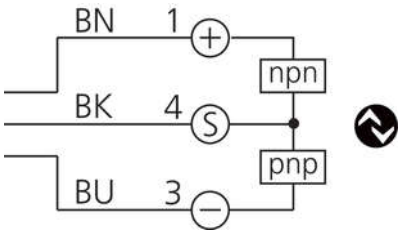
212815
OGU 081/80 G3-T3
Fork light barrier

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







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
No-load current (max.)	30 mA
Insulation voltage endurance	500 V
Leg length internal	80 mm
Housing dimensions	100 x 105 x 10 mm
Housing length	105 mm
Housing height	100 mm
Housing width	10 mm
Housing material	Aluminum (Black, Anodized)
Protection class	III, operation on protective low voltage
Approvals	UL
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
Light source	LED
Color	Red

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OGU 081/80 G3-T3
Fork light barrier

Technical data (typ.)	+20°C, 24 V DC
Modulation	Clocked
Fork opening	80 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/212815

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