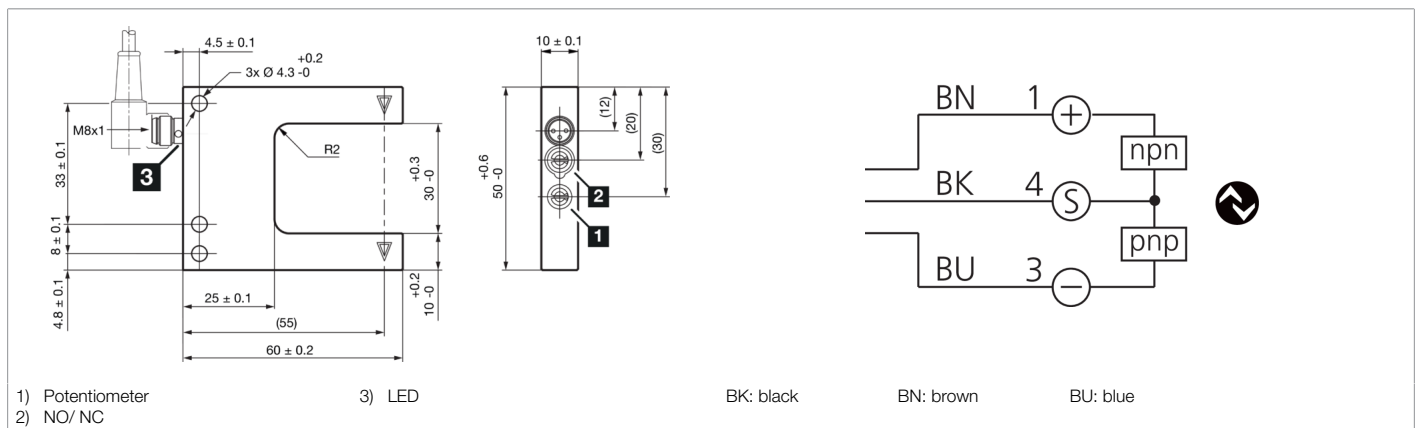
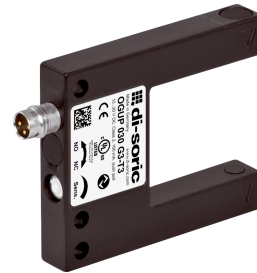




210992 OGUP 030 G3-T3 High-performance fork light barrier

- High function reserve
- Extremely dirt-resistant
- Collimator optics
- Metal casing
- Electronics integrated
- Sensitivity is adjustable
- 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 (Supply Class 2)
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
Characteristics	High transmit power and dirt penetration



210992
OGUP 030 G3-T3
High-performance fork light barrier

Technical data (typ.)		+20°C, 24 V DC
Output, input, interface		
Switching output		Push-pull, 100 mA, NO/NC, switchable
Voltage drop (max.)		1 V
Interface		IO-Link
Optical data		
Light source		LED
Color		Infrared
Modulation		Clocked
Detection range, measuring range, tolerance limits		
Resolution (factory setting)		2 mm (POWER)
Reproducibility (factory setting)		0.03 mm (POWER)
Resolution (STANDARD)		0.3 mm
Reproducibility (STANDARD)		0.02 mm
Resolution (HIGH RESOLUTION)		0.2 mm
Reproducibility (HIGH RESOLUTION)		0.02 mm
Resolution (POWER)		2 mm
Reproducibility (POWER)		0.03 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)		200 Hz (POWER)
Switching frequency (STANDARD)		5000 Hz
Switching frequency (HIGH RESOLUTION)		1500 Hz
Switching frequency (POWER)		200 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/210992