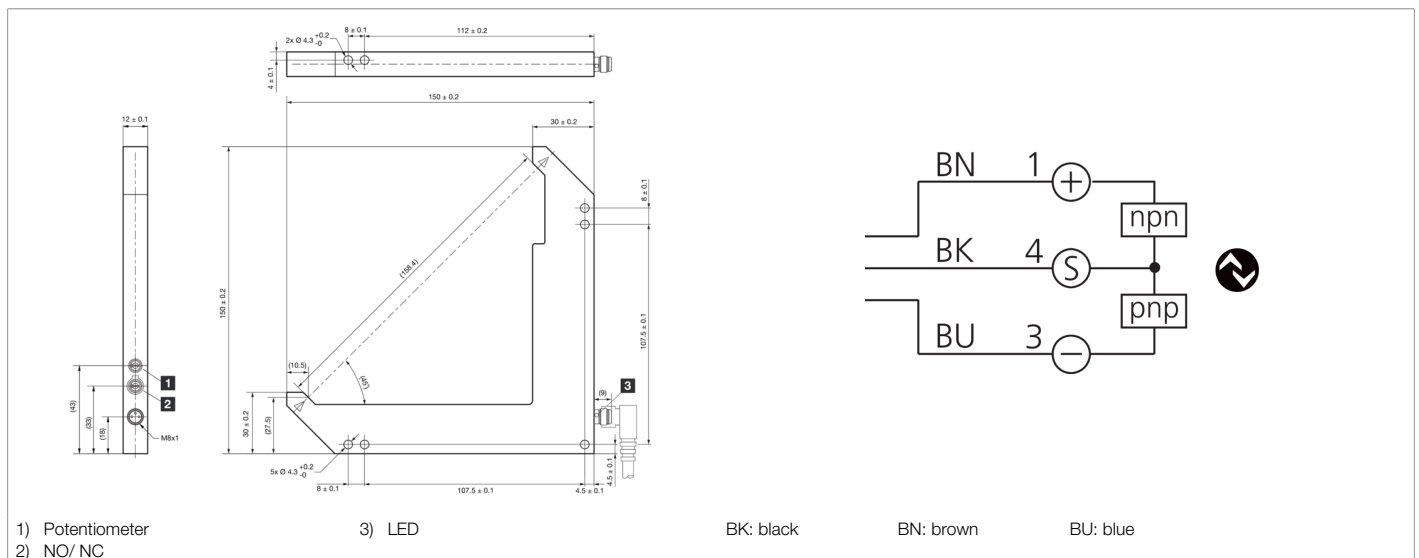




210629 OGL 120 G3-T3 Angled light barrier

- 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 (Supply Class 2)
No-load current (max.)		40 mA
Insulation voltage endurance		500 V
Leg length internal		120/120 mm
Housing dimensions		150 x 150 x 12 mm
Housing length		150 mm
Housing height		150 mm
Housing width		12 mm
Housing material		Die-cast zinc (powder-coated)
Material		Mineral glass (Optics)
Protection class		III, operation on protective low voltage
Operating principle		Optical
Evaluation		digital
Design		Angle
Switching output		Push-pull, 100 mA, NO/NC, switchable
Voltage drop (max.)		1 V
Interface		IO-Link (V1.1, COM2 38.4 kBd, Smart Sensor Profile)
Light source		LED
Color		Infrared



210629
OGL 120 G3-T3
Angled light barrier

Technical data (typ.)	+20°C, 24 V DC
Wavelength	880 nm
Modulation	Clocked
Ambient light immunity	20 kLx
Range	158 mm (optical axis)
Resolution (factory setting)	0.5 mm (STANDARD)
Reproducibility (factory setting)	0.03 mm (STANDARD)
Resolution (STANDARD)	0.5 mm
Reproducibility (STANDARD)	0.03 mm
Resolution (HIGH RESOLUTION)	0.4 mm
Reproducibility (HIGH RESOLUTION)	0.03 mm
Resolution (POWER)	1.5 mm
Reproducibility (POWER)	0.03 mm
Resolution (SPEED)	0.5 mm
Reproducibility (SPEED)	0.03 mm
Sensitivity adjustment	Potentiometer
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
Shock/vibration load	30 g, 10 ... 55 Hz / 0.5 mm
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/210629