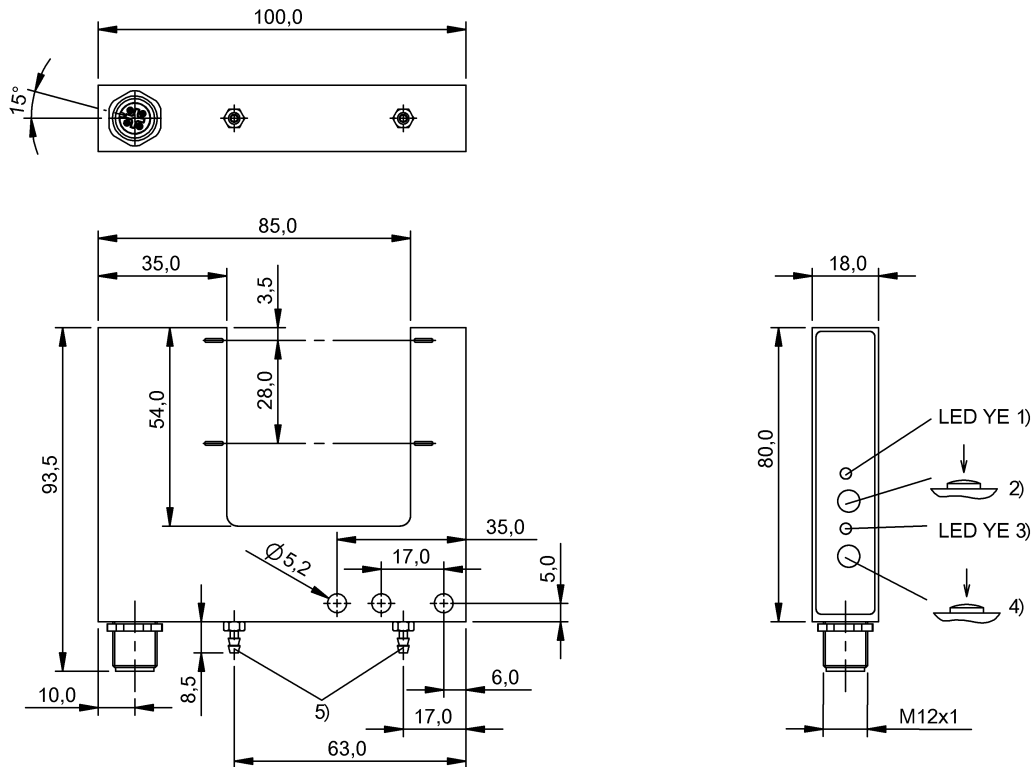


BGL 50C-007-S4
BGL003F



1) SP1 active / error 2) SP1: recvr., light/dark 3) SP2 active / error 4) SP2: recvr., light/dark 5) Pneumatics connection PK-3



Display/Operation

Adjuster	Key (2x)
Setting	Light-on/dark-on Sensitivity, 2 values

Electrical connection

Connection	M12x1-Connector, 4-pole, A-coded
Polarity reversal protected	yes

Electrical data

Hysteresis H max.	0.4 mm
Load capacitance max. at Ue	2.2 µF
No-load current I ₀ max. at Ue	30 mA
Operating voltage U _b	18...30 VDC
Rated operating voltage U _e DC	24 V
Repeat accuracy lateral max.	150 µm
Utilization category	DC -13
Voltage drop U _d max. at I _e	1 V

Environmental conditions

Ambient temperature	-5...55 °C
Protection type IEC 60529	IP67

General data

Additional features	Contamination compensation to up to 10% loss in intensity.
Approval/Conformity	CE
Basic standard	IEC 60947-5-2
Series	C
Style	Fork Straight connection

Material

Housing material	Aluminum
Material sensing surface	PMMA
Surface protection	anodized

Mechanical data

Dimension	18 x 100 x 93.5 mm
Fastening detail	Screw M5

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Fork opening 50 mm

Optical data

Ambient light max.	5000 Lux
Beam characteristic	Divergent
LED group per IEC 62471	Exempt Group
Light beams, number	10
Light type	LED Red light
Principle of optical operation	Through-beam sensor
Special optical feature	Light array
Wave length	633 nm

Range/Distance

Active length AL 1	28 mm
Resolution	≤ 0.08 mm
Ripple max. (% of Ue)	10 %

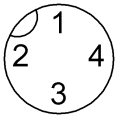
Remarks

Do not press key using a pointed tool.
Order accessories separately.
For additional information, refer to user's guide.
Reference object (target): Steel plate, 50 x 50, thickness 0.5 mm, lateral approach.

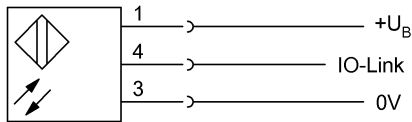
Output/Interface

Interface IO-Link

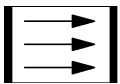
Connector view



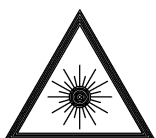
Wiring Diagram



Symbols for Optoelectronic Sensors



Warning Symbols



LED light- DO NOT LOOK INTO THE BEAM!
Exempt Group per IEC 62471:2006-07