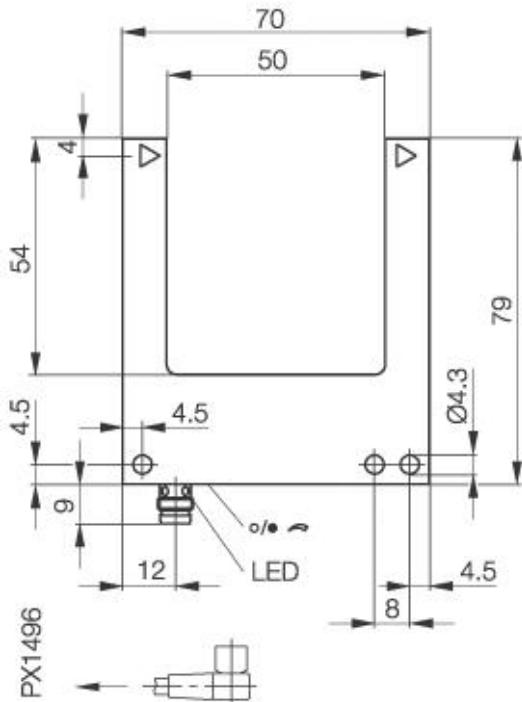


**Photoelectric Sensor**  
**BGL 50A-003-S 49**  
**Sn=mm**  
**Laser Fork-through-beam**



**Common Data**

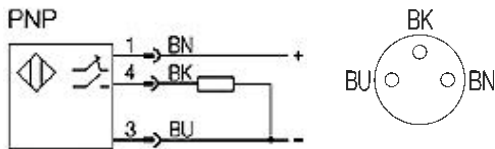
Series	BGL
Sensortype	Laser Fork-through-beam
Switching frequency	3000 Hz
Repeat accuracy	0,015mm
Hysteresis	=0,01mm
Indication Switching element on	yes, red LED
Ambient temperature	-10...+60°C
Off-delay	80µs
Light	Red light
Wavelength / Laser protection class	650nm
Sensitivity Adjustment	Poti 270°
Permissible ambient light	10000 Lux
Output function	light-on or dark-on
Slot spacing	50
Resolution	0,1

**Mechanical Data**

Measurements	70x79x10
Housing material	anodized aluminium
Material of sensing face	Glass
Degree of protection	IP65
Connection	Connector S49 (M8,3-pin)
Weigth	54g
Recommended connector	BKS-S 48/BKS-S 49

**Electrical Data**

Current	DC
Switching function	NO/NC switchable
Output	PNP
Rated operational voltage U <sub>e</sub>	24V DC
Rated operational current I <sub>e</sub>	200mA
Supply Voltage	10...30V DC
Frequency of Supply Voltage	DC
No-load supply current	<35mA
Voltage drop	<3V
Short protection	yes
Protected against polarity reversal	yes



Utilization categories  
 Insulation class

DC 13

Datasheet number:

Definitions see general catalog.  
 If not otherwise noted, ratings according to  
 IEC 60947-5-2 (DIN EN60947-5-2)

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