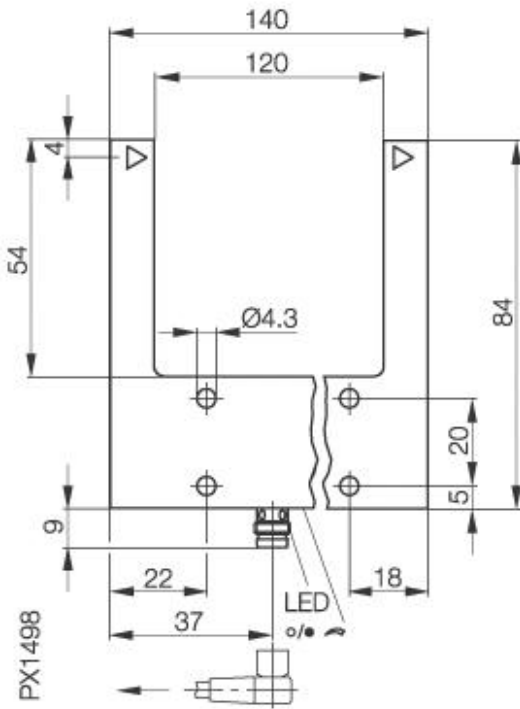


**Photoelectric Sensor**  
**BGL 120A-001-S 49**  
**Sn=mm**  
**Fork-through-beam**



**Common Data**

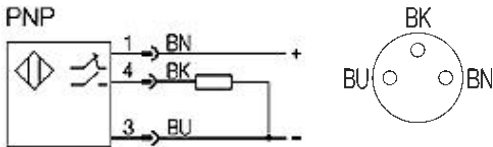
Series	BGL
Sensortype	Fork-through-beam
Switching frequency	1500 Hz
Repeat accuracy	0,08mm
Hysteresis	=0,2mm
Indication Switching element on	yes, red LED
Ambient temperature	-10...+60°C
Off-delay	80µs
Light	Red light
Wavelength / Laser protection class	640nm
Sensitivity Adjustment	Poti 270°
Permissible ambient light	5000 Lux
Output function	light-on or dark-on
Slot spacing	120
Resolution	0,8

**Mechanical Data**

Measurements	140x84x10
Housing material	anodized aluminium
Material of sensing face	Glass
Degree of protection	IP65
Connection	Connector S49 (M8,3-pin)
Weigth	118g
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)

Balluff GmbH  
 Schurwaldstrasse 9  
 73765 Neuhausen a.d.F.  
 Phone (07158) 173-0 Fax (07158) 5010

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