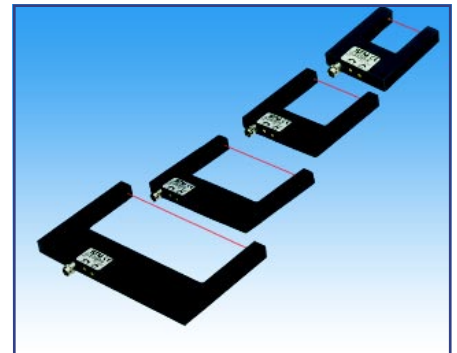




- ▶ Pre-packaged laser through beam sensor
- ▶ Easy to mount
- ▶ Ready to use
- ▶ Perfect for all standard through beam applications
- ▶ Precise laser beam guarantees high resolution and reproducibility over the complete fork width
- ▶ Four different standard sizes



STANDARD LASER FORK SENSOR with integrated amplifier

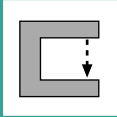
▶ TECHNICAL DATA

MODEL	GLS30K	GLS50K	GLS80K	GLS120K
Fork width (mm)	30mm	50mm	80mm	120mm
Resolution	0,05mm	0,08mm	0,1mm	0,15mm
Hysteresis	20µm	25µm	30µm	50µm
Operating voltage	10...30 VDC, reverse polarity protection			
Current consumption	< 20mA			
Output current	max. 200mA, short circuit proof			
Function indicator	LED, red (on the connector)			
Frequency response	5kHz			
Functional principle	pulsed			
Switching function	light-on or dark-on (selectable)			
Light type	Laser red, 655nm			
Sensitivity adjustment	potentiometer, 270°			
Housing material	die-cast zinc			
Operating temperature	-10°C.. +60°C			
Protection class	IP67			
Connector	M8, 3pin *			

* supply cable to be ordered separately

LASER RADIATION - DO NOT STARE INTO BEAM

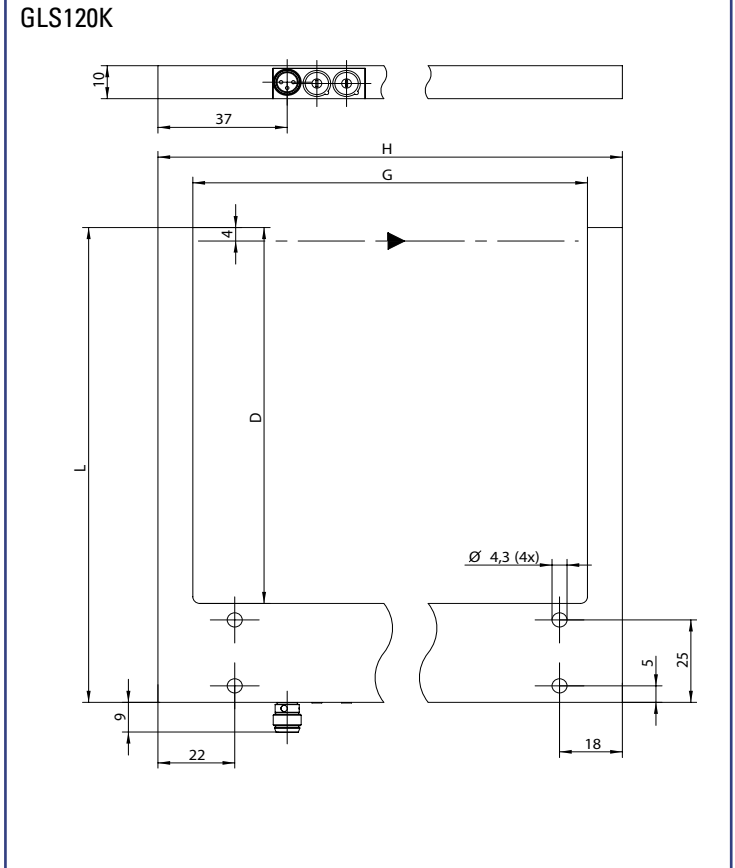
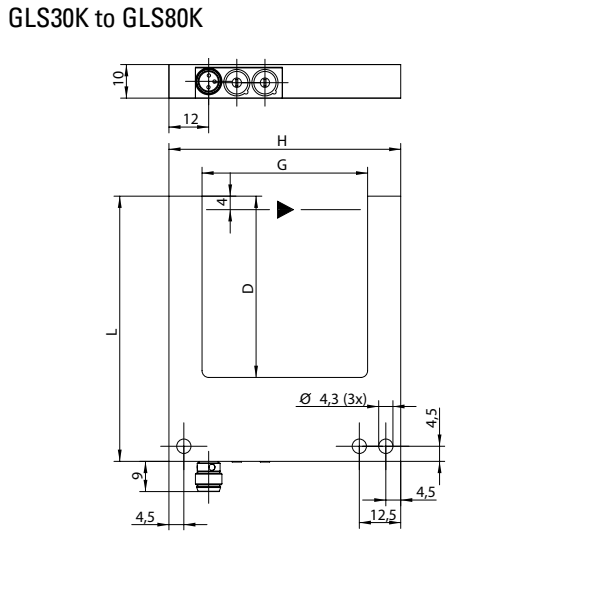
EN 60825-1:2007
P<100µW, 630...670nm
Pulsed-mode operation
Class 1 laser product



GLS30K to GLS120K

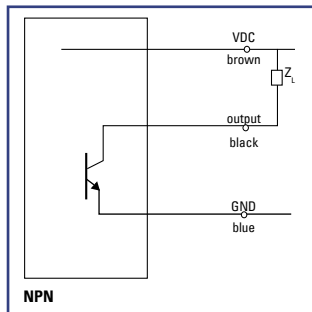
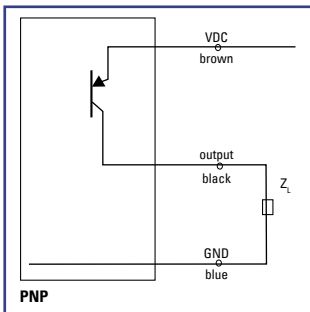


► **DIMENSIONS** Measurements in mm. Subject to technical change.



MODEL	G:	D:	L:	H:
GLS30K	30mm	34mm	59mm	50mm
GLS50K	50mm	54mm	79mm	70mm
GLS80K	80mm	54mm	79mm	100mm
GLS120K	120mm	54mm	84mm	140mm

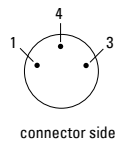
► **CONNECTION DIAGRAM**



► **PIN CONNECTION**

connector M8, 3pin

- 1 (brown) + VDC
- 4 (black) signal output
- 3 (blue) - GND



PART DESIGNATION	Model - B
ORDER EXAMPLE	GLS30K-BP = GLS30K fork width 30mm laser light - pulsed output PNP Please do not forget to order the appropriate power supply cable (see accessories).