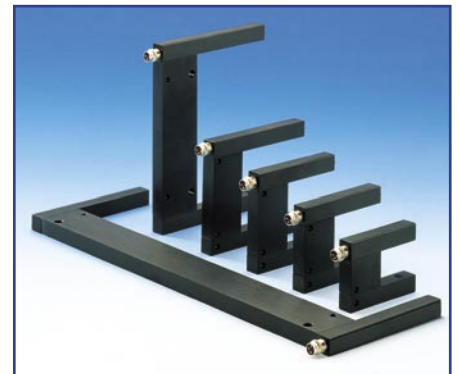




- ▶ Pre-packaged, very easy to mount through beam sensor (perfect for all standard through beam applications)
- ▶ High Resolution
- ▶ NPN or PNP, light-on or dark-on
- ▶ 48 different combinations
- ▶ Custom dimensions available on request



MODULAR FORK SENSOR GLS
with integrated amplifier

▶ TECHNICAL DATA

MODEL	GLS.
Operating voltage	10..30 VDC, reverse polarity
Current Consumption	< 30mA
Output	PNP or NPN
Output current	max. 100mA, short circuit proof
Function indicator	LED, red (on the connector)
Alarm indicator	output LED blinks at 16 Hz
Frequency response	2000 Hz
Functional principle	pulsed light
Switching function	light-on or dark-on
Light type	Infrared 880nm
Response time	0,25ms
Sensitivity adjustment	Potentiometer, in the front, 270°
Housing material	aluminium, black anodized
Operating temperature	-10°C..+55°C
Protection class	IP65
Connector	M8, 3pin *

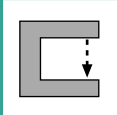
* supply cable to be ordered separately

fork width (mm)	resolution	reproducibility	hysteresis
05*	0,4 mm	0,02 mm	≤ 0,1 mm
10*	0,4 mm	0,02 mm	≤ 0,1 mm
20*	0,4 mm	0,02 mm	≤ 0,1 mm
30*	0,4 mm	0,02 mm	≤ 0,1 mm
40*	0,4 mm	0,02 mm	≤ 0,1 mm
50*	0,4 mm	0,02 mm	≤ 0,1 mm
80*	0,4 mm	0,02 mm	≤ 0,1 mm
100**	0,5 mm	0,03 mm	≤ 0,1 mm
120**	0,5 mm	0,03 mm	≤ 0,1 mm
150**	0,5 mm	0,03 mm	≤ 0,1 mm
200**	0,5 mm	0,03 mm	≤ 0,1 mm
250**	0,6 mm	0,04 mm	≤ 0,1 mm

leg lengths: S = 55 mm
 M = 65 mm
 L = 85 mm
 XL = 90 mm

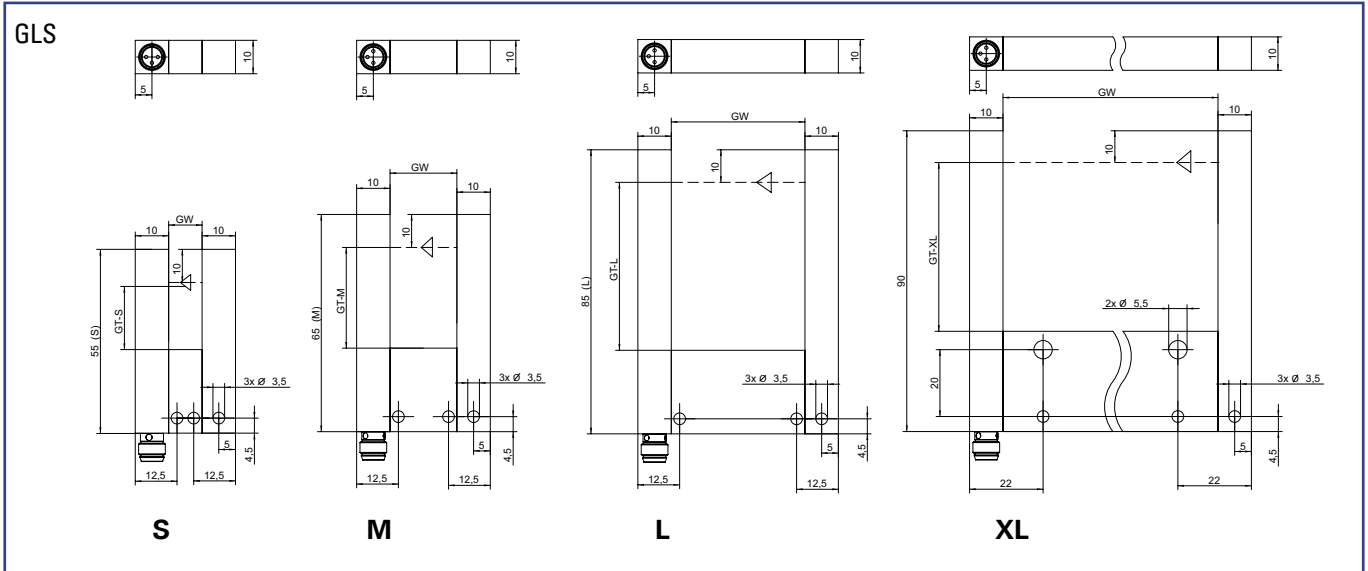
* body material 25 mm wide
(v. drawing GLSS, GLSM, GLSL)

** body material 30 mm wide
(v. drawing GLSXL)

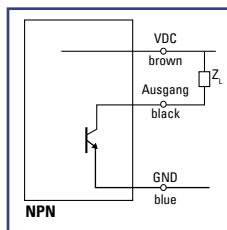
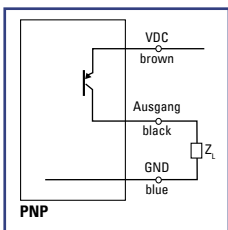


GLS.

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

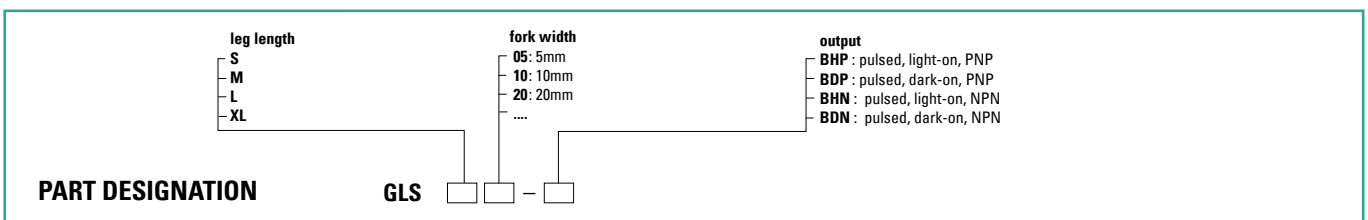
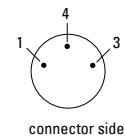


► **CONNECTION DIAGRAM**



► **PIN CONNECTION**

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



ORDER EXAMPLE **GLSM50-BHP** = leg lengths M / fork width 50mm - pulsed, light-on, output PNP

Please do not forget to order the appropriate power supply cable (see accessories).
Custom dimensions available on request.