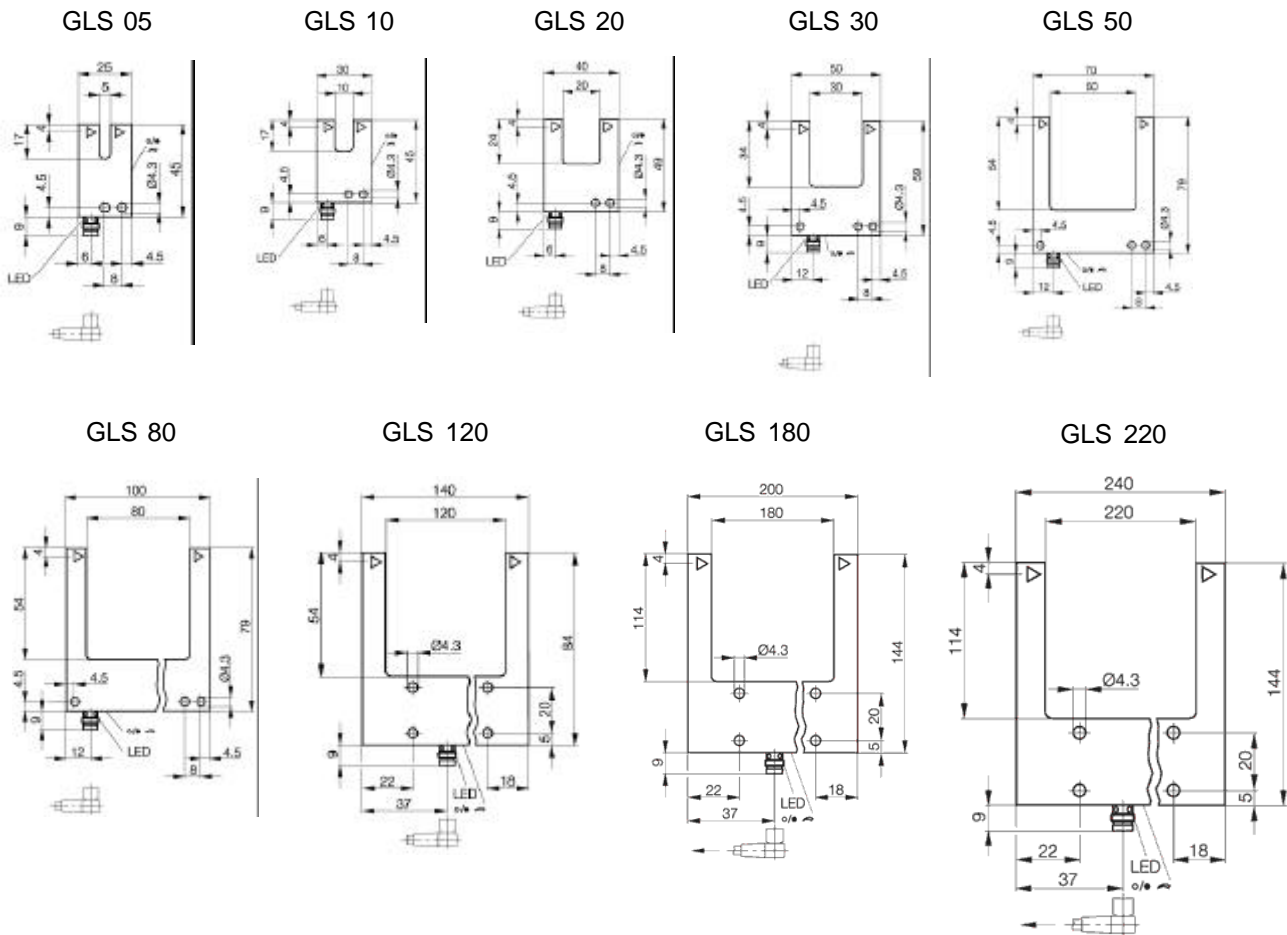
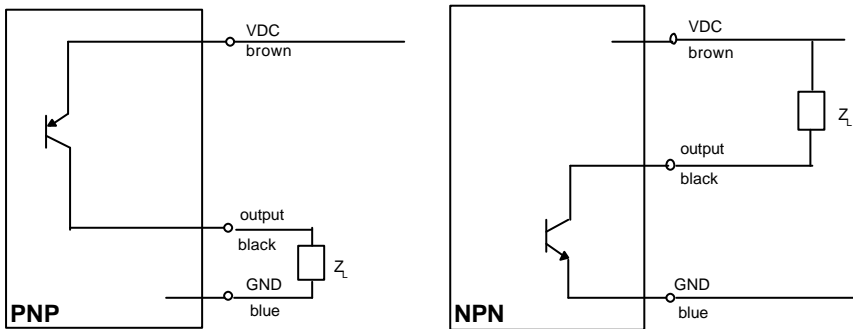


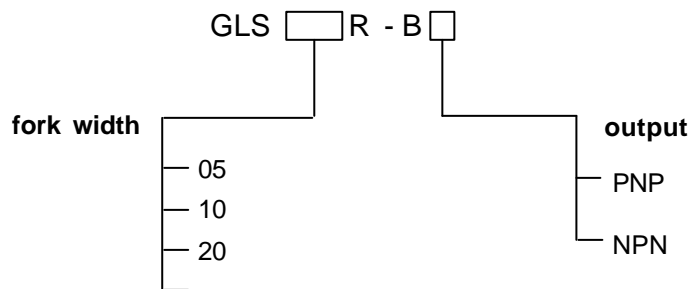
DIMENSIONS



CONNECTION DIAGRAM

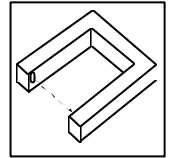


PART DESIGNATION



Do not forget to order the appropriate power supply cable!

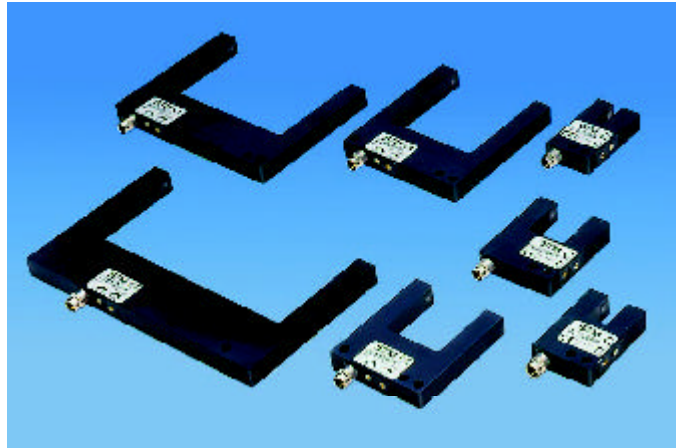
ORDER EXAMPLE: GLS50R-BP = fork width 50 / red light - non-pulsed / PNP



GLS

STANDARD FORK SENSOR
with integrated amplifier

- ▷ pre-packaged, very easy to mount through beam sensor (perfect for all standard through beam applications)
- ▷ integrated amplifier
- ▷ high resolution
- ▷ 9 different sizes



GENERAL TECHNICAL DATA

operating voltage	10...30 VDC, reverse polarity protected
current consumption	< 35 mA
output	PNP or NPN
output current	max. 200 mA, short circuit proof
function indicator	LED, red (on the connector)
frequency response	1500Hz 3000 Hz with GLS05 and GLS10
functional principle	pulsed light
switching function	light-on or dark-on selectable
light type	visible red, 644 nm
response time	max. 0,4 ms max. 0,2 ms with GLS05 and GLS10
sensitivity adjustment	Potentiometer, 270°
housing material	aluminium, black anodized
operating temperature	-10°C.. +60°C
protection class	IP 65
connector	M8, 3 pin, male*

*supply cable to be ordered separately

fork width (mm)	resolution	reproducibility	hystereses
05	0,3 mm	0,02 mm	≤ 0,1 mm
10	0,3 mm	0,02 mm	≤ 0,1 mm
20	0,5 mm	0,02 mm	≤ 0,1 mm
30	0,5 mm	0,02 mm	≤ 0,1 mm
50	0,5 mm	0,04 mm	≤ 0,15 mm
80	0,5 mm	0,06 mm	≤ 0,2 mm
120	0,8 mm	0,08 mm	≤ 0,2 mm
180	0,8 mm	0,08 mm	≤ 0,2 mm
220	0,8 mm	0,08 mm	≤ 0,2 mm