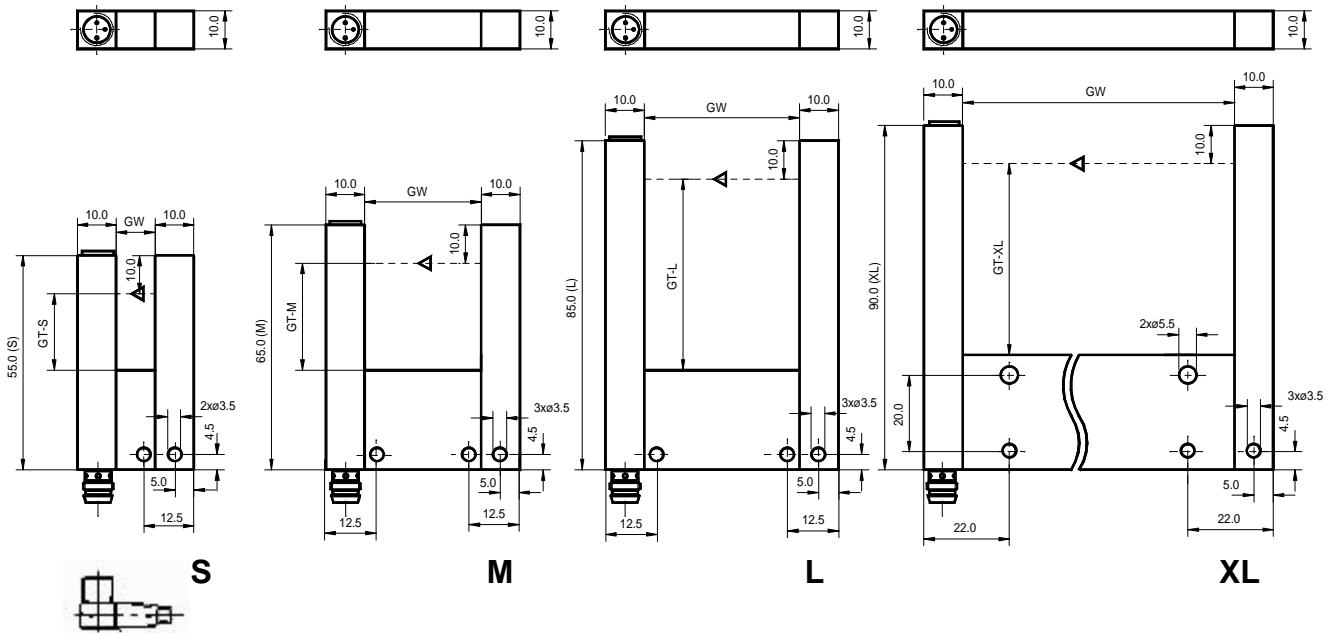
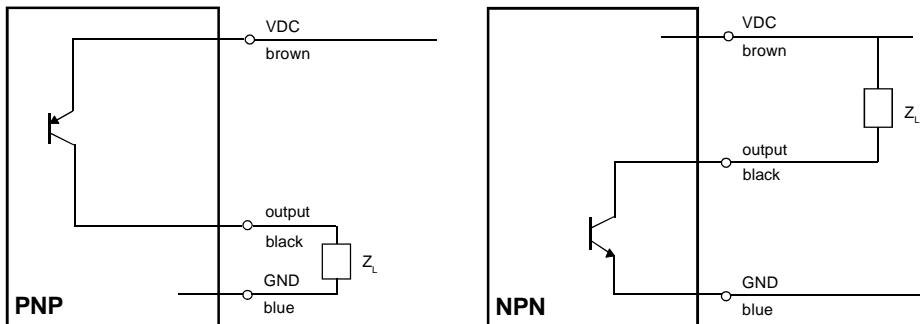


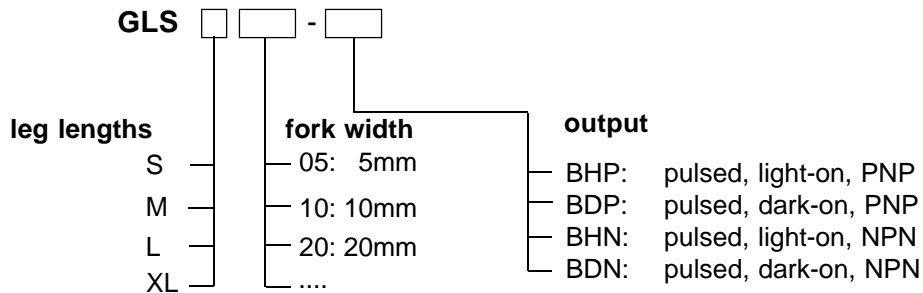
DIMENSIONS



CONNECTION DIAGRAM

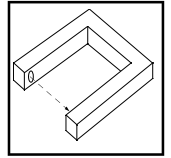


PART DESIGNATION



Do not forget to order the appropriate power supply cable!

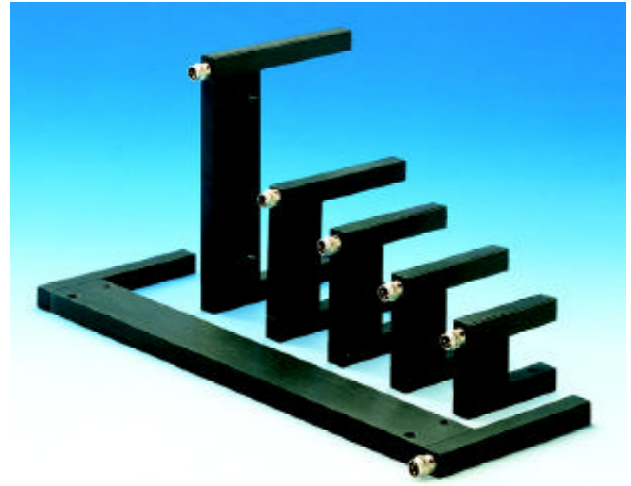
ORDER EXAMPLE: GLSM50-BHP = leg lengths M / fork width 50 - pulsed, light-on, PNP



GLS

MODULAR LIGHT FORK SENSOR

- ◉ pre-packaged, very easy to mount through beam sensor (perfect for all standard through beam applications)
- ◉ integrated amplifier
- ◉ high resolution
- ◉ PNP or NPN
- ◉ 48 different „standard“ dimensions
- ◉ custom dimensions available



GENERAL TECHNICAL DATA

| | |
|-------------------------------|-----------------------------------|
| operating voltage | 10... 30 VDC, reverse polarity |
| current consumption | < 30 mA |
| output | PNP or NPN |
| output current | max. 100 mA, 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 | IR 880 nm |
| response time | 0,25 ms |
| sensitivity adjustment | Potentiometer, in the front, 270° |
| housing material | aluminium, black anodized |
| operating temperature | -10°C...+55°C |
| protection class | IP 65 |
| connector | M8, 3 pin, male* |

*supply cable to be ordered separately

| fork width (mm) | resolution | reproducibility | hystereses |
|-----------------|------------|-----------------|------------|
| 05* | 0,4 mm | 0,02 | ≤ 0,1 |
| 10* | 0,4 mm | 0,02 | ≤ 0,1 |
| 20* | 0,4 mm | 0,02 | ≤ 0,1 |
| 30* | 0,4mm | 0,02 | ≤ 0,1 |
| 40* | 0,4mm | 0,02 | ≤ 0,1 |
| 50* | 0,4 mm | 0,02 | ≤ 0,1 |
| 80* | 0,4 mm | 0,02 | ≤ 0,1 |
| 100** | 0,5 mm | 0,03 | ≤ 0,1 |
| 120** | 0,5 mm | 0,03 | ≤ 0,1 |
| 150** | 0,5 mm | 0,03 | ≤ 0,1 |
| 200** | 0,5 mm | 0,03 | ≤ 0,1 |
| 250** | 0,8 mm | 0,04 | ≤ 0,1 |

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)