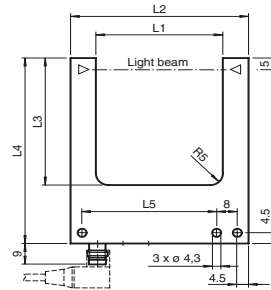
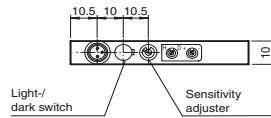




Dimensions



| | L1 | L2 | L3 | L4 | L5 |
|---------|----|-----|----|----|----|
| GL30... | 30 | 50 | 35 | 60 | 33 |
| GL50... | 50 | 70 | 55 | 80 | 53 |
| GL80... | 80 | 100 | 55 | 80 | 83 |

Model Number

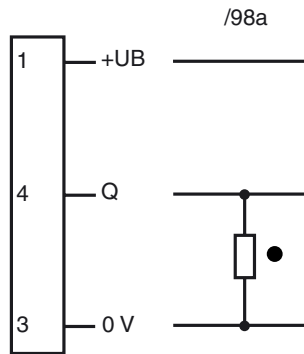
GL80-RT/32/40a/98a

Fork type sensor
with 3-pin, M8 connector

Features

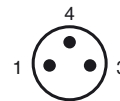
- Optimised for the detection of small parts
- High switching frequency
- Multiple device installation possible, no mutual interference
- Sensitivity adjuster and light/dark switch as standard features of this series
- Visible red light
- Protection degree IP67
- cULus approval
- diecast zinc housing, powder coated

Electrical connection



○ = Light on
● = Dark on

Pinning according



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Additional accessories can be found in the Internet.

Subject to reasonable modifications due to technical advances.

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Technical data**General specifications**

| | |
|---------------------|----------------------|
| Light source | LED |
| Approvals | CE, cULus |
| Tests | EN 60947-5-2 |
| Marking | |
| Obstacle size | 0.3 mm |
| Fork width | 80 mm |
| Light type | red, modulated light |
| Ambient light limit | 100000 Lux |

Indicators/operating means

| | |
|--------------------|---|
| Function display | LED red in connector |
| Operating elements | Sensitivity adjuster, light/dark switch |

Electrical specifications

| | |
|------------------------|--------------------------|
| Operating voltage | 10 ... 30 V DC, class 2 |
| Ripple | 10 % |
| No-load supply current | $I_0 \leq 15 \text{ mA}$ |

Output

| | |
|---------------------|--|
| Switching type | light/dark switching |
| Signal output | 1 pnp, short-circuit proof, open collector |
| Switching voltage | max. 30 V DC |
| Switching current | max. 100 mA |
| Repeat accuracy | 0.05 mm |
| Switching frequency | f 3 kHz |
| Response time | $\leq 160 \mu\text{s}$ |

Ambient conditions

| | |
|---------------------|-------------------------------|
| Ambient temperature | -20 ... 60 °C (253 ... 333 K) |
| Storage temperature | -20 ... 75 °C (253 ... 348 K) |

Mechanical specifications

| | |
|-------------------|-----------------------------|
| Protection degree | IP67 |
| Connection | M8 connector, 3-pin |
| Material | |
| Housing | diecast zinc, powder coated |
| Optical face | glass |
| Mass | 125 g |