Reflection light scanner

# GLV30-8-2500/47/73c

**Plastic connector M12 x 1, 4-pin**

CE

- **M30 housing**
- **Light/dark switching**



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| | |
|---|---|
| **General specifications** | |
| Detection range | 100 ... 2500 mm |
| Light source | IRED |
| Approvals | CE |
| Adjustment range | 500 ... 2500 mm |
| Light type | infrared, modulated light |
| Diameter of the light spot | approx. 450 mm at a distance of 2000 mm |
| Angle of divergence | ± 7 ° |
| Ambient light limit | 30000 Lux |
| **Indicators/operating means** | |
| Function display | LED yellow, lights up if receiver is not lit |
| Operating elements | sensing range adjuster |
| **Electrical specifications** | |
| Operating voltage | 24 V DC ± 20 % |
| Ripple | 10 % |
| No-load supply current $I_0$ | 30 mA |
| **Output** | |
| Switching type | light/dark switching |
| Signal output | 2 pnp, antivalent, short-circuit proof, protected against reverse polarity |
| Switching voltage | max. 30 V DC |
| Switching current | max. 200 mA |
| Switching frequency f | 35 Hz |
| Response time | 10 ms |
| **Standard conformity** | |
| Standards | EN 60947-5-2 |
| **Ambient conditions** | |
| Ambient temperature | -20 ... 60 °C (253 ... 333 K) |
| Storage temperature | -20 ... 75 °C (253 ... 348 K) |
| **Mechanical specifications** | |
| Protection degree | IP67 |
| Connection | Plastic connector M12 x 1, 4-pin |
| Material | |
| Housing | ABS |
| Optical face | Plastic lenses |
| Mass | approx. 70 g |

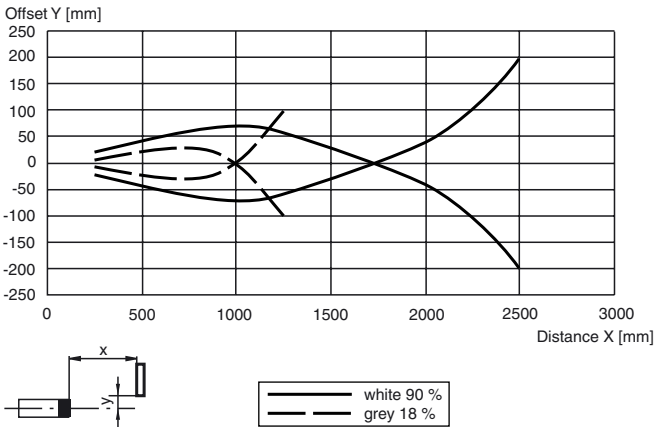
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## Curves/Diagrams

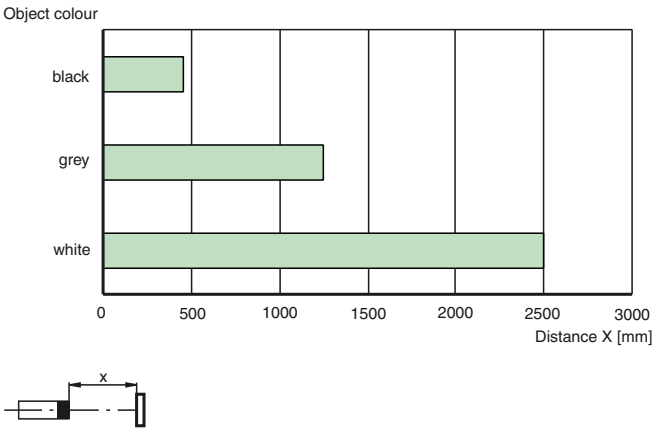
### Characteristic response curve

GLV30-8-2500




### Detection ranges

GLV30-8-2500



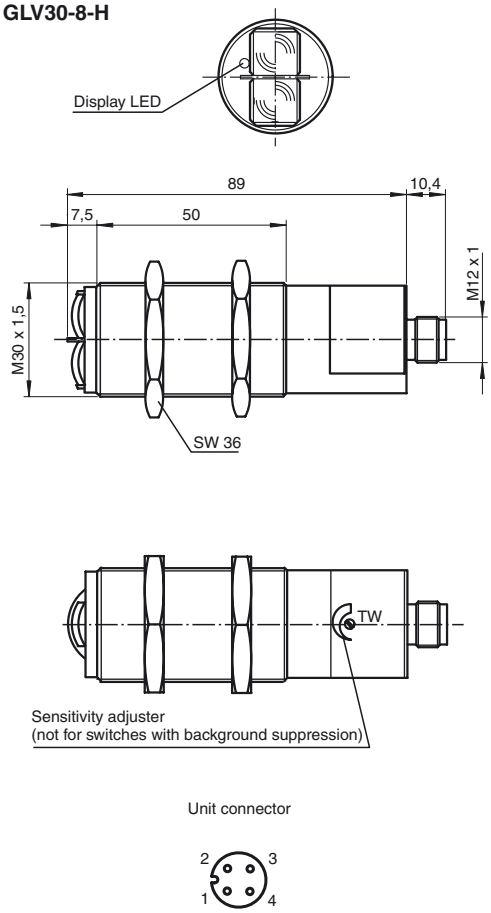

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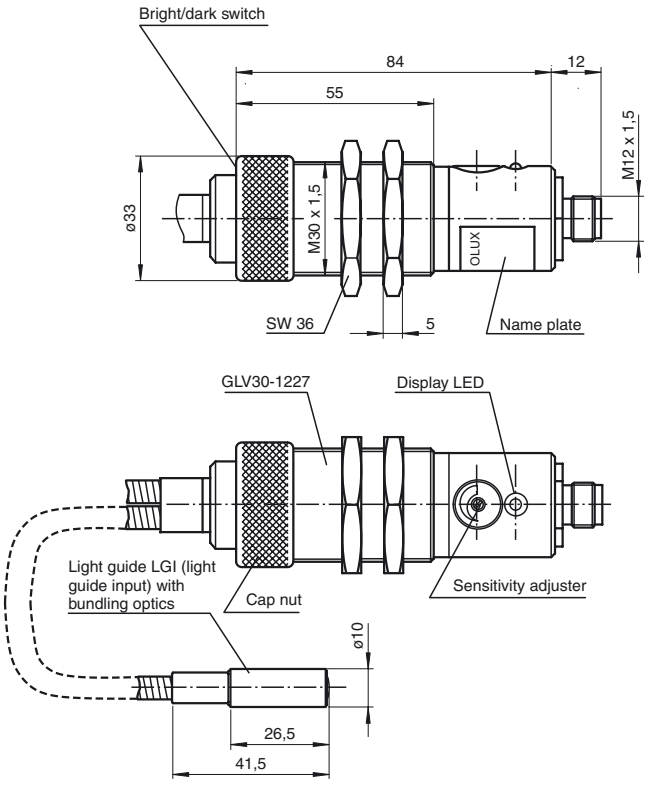
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## Dimensions

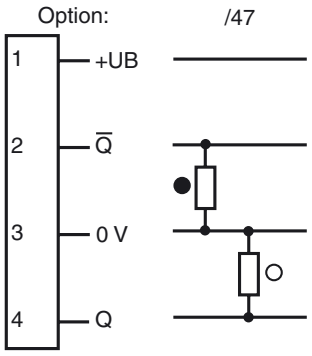
**GLV30-8-2500**
**GLV30-8-H**




**GLV30-LL...**




## Electrical connection




❍ = light on, ● = dark on

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