



Photoelectric sensors
Photoelectric retro-reflective sensor, Product
group W170

WL170-N132

Model Name > [WL170-N132](#)
Part No. > [6010191](#)



Product features

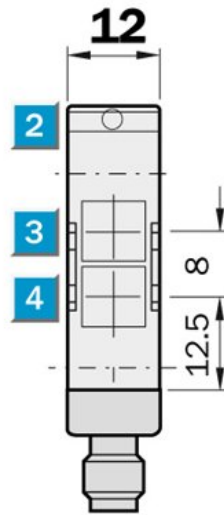
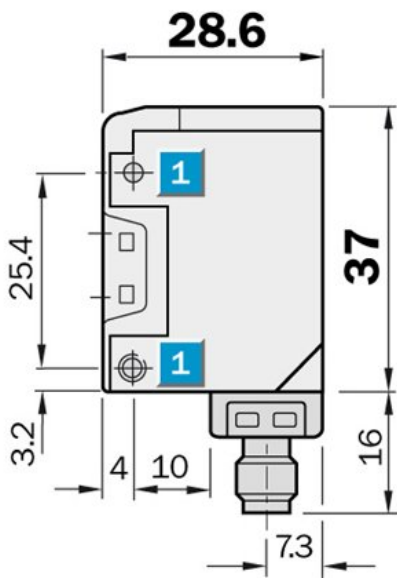
| | |
|----------------------------|----------------------------------|
| Sensing range min ... max: | 0.01 m ... 3.5 m, 0.01 m ... 4 m |
| Type of light: | visible red light |
| Laser: | visible red light |
| Sensing range max.: | 0.01 m ... 3.5 m, 0.01 m ... 4 m |
| Light spot size: | Approx. 200 mm at 2.5 m distance |

Technical data

| | |
|---|---|
| Design: | cuboid |
| Dimensions (W x H x D): | 12 mm x 28.6 mm x 37 mm |
| Supply voltage min ... max: | DC 10 ... 30 V ¹⁾ |
| Switching output: | NPN: open collector: Q |
| Switching mode: | Light-/dark-switching via L/D control cable |
| Response time: | ≤ 0.7 ms |
| Enclosure rating: | IP 67 |
| Ambient operation temperature, min ... max: | -25 °C ... +55 °C |
| Housing material: | Stainless steel/ABS |
| Series: | W170 |
| Polarisation filter: | ✓ |
| AS Interface chip: | 0 |

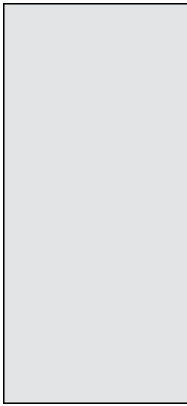
¹⁾ Limit values

Dimensional drawing

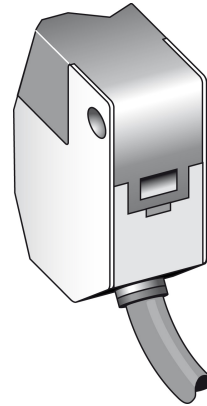


- [1] Mounting hole, \varnothing 3 mm with integrated M3 thread
- [2] LED signal strength indicator, red: light received \geq switching threshold
- [3] Optical axis, receiver
- [4] Optical axis, sender

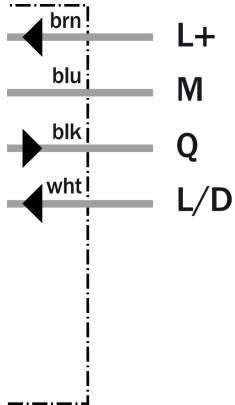
Adjustment possible



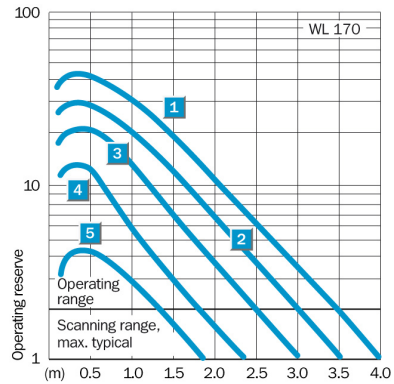
Connection type



Connection diagram



Characteristic curve



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