



Photoelectric sensors  
Photoelectric retro-reflective sensor, Product  
group W170

WL170-N430

**Model Name** > [WL170-N430](#)  
**Part No.** > [6010192](#)



#### Product features

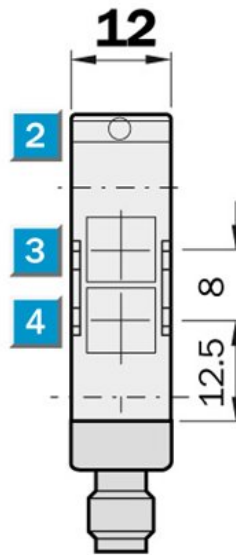
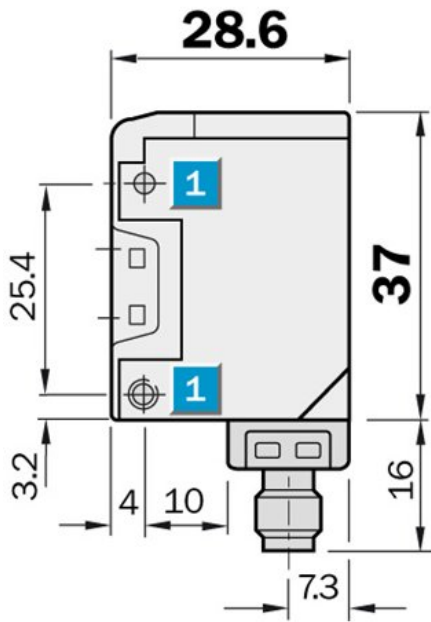
Sensing range min ... max:	0.01 m ... 3.5 m, 0.01 m ... 4 m
Type of light:	Visible red light
Laser:	Visible red light
Sensing range max.:	0.01 m ... 3.5 m, 0.01 m ... 4 m
Light spot size:	Approx. 200 mm at 2.5 m distance

#### Technical data

Design:	Rectangular
Dimensions (W x H x D):	12 mm x 28.6 mm x 37 mm
Supply voltage min ... max:	DC 10 ... 30 V <sup>1)</sup>
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

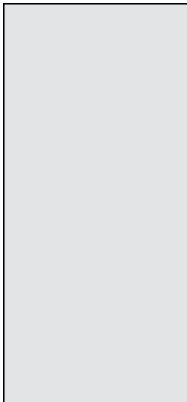
<sup>1)</sup> Limit values

**Dimensional drawing**

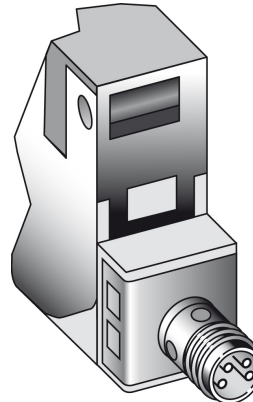


- [1] Mounting hole,  $\varnothing$  3 mm with integrated M3 thread
- [2] LED signal strength indicator, red: light received  $\geq$  switching threshold
- [3] Optical axis, receiver
- [4] Optical axis, sender

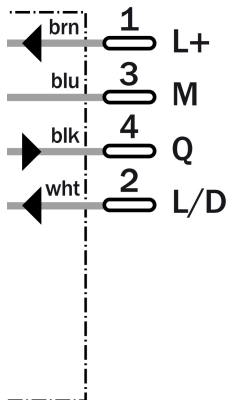
**Adjustment possible**



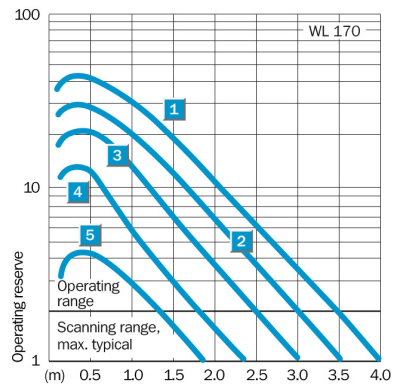
**Connection type**



**Connection diagram**



**Characteristic curve**



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