



Photoelectric sensors  
Background blanking, Photoelectric proximity  
sensor, Product group W170

WT170-P410



**Model Name** > WT170-P410  
**Part No.** > 6010194



**Product features**

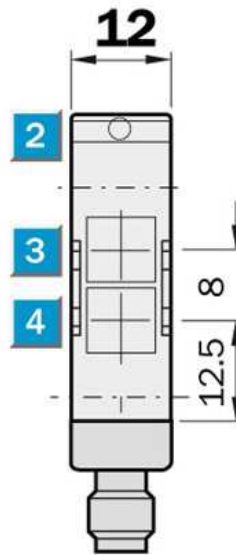
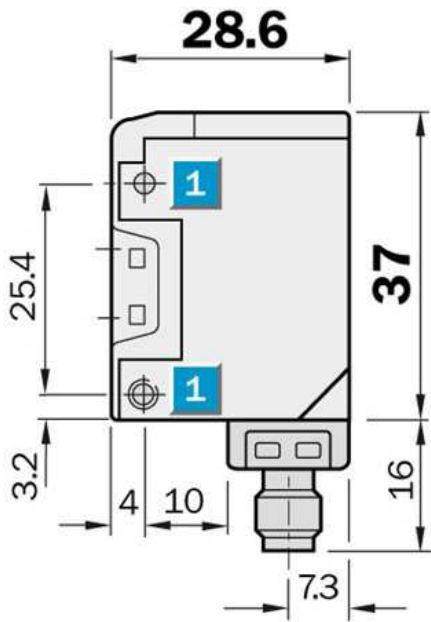
Sensing range min ... max::	10 mm ... 100 mm, 10 mm ... 90 mm
Type of light:	Visible red light
Laser:	Visible red light
Sensing range max.:	10 mm ... 100 mm, 10 mm ... 90 mm
Light spot size:	Approx. 3.5 mm at 40 mm distance

**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>
Output type:	PNP: 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

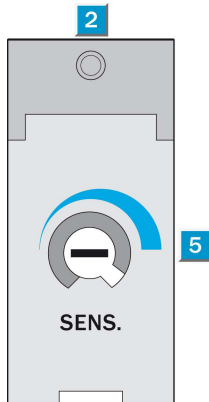
<sup>1)</sup> Limit values

**Dimensional drawing**

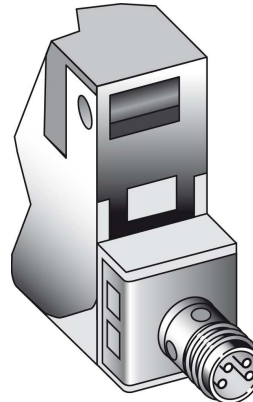


- [1] Mounting hole,  $\varnothing$  3 mm with integrated M3 thread
- [2] LED signal strength indicator, red: light received  $\geq$  switching threshold
- [3] Center of optical axis, receiver
- [4] Center of optical axis, sender

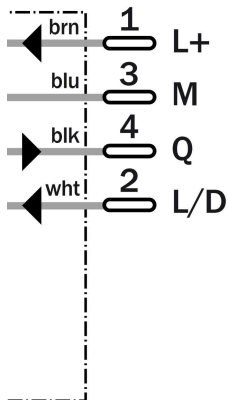
**Adjustment possible**



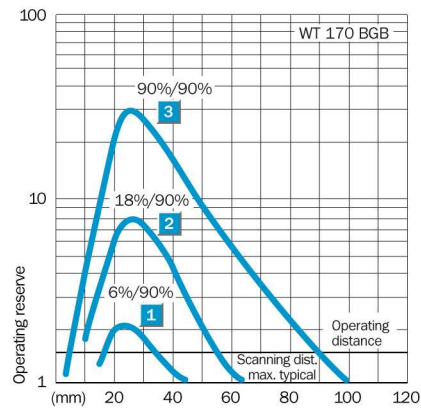
**Connection type**



**Connection diagram**



**Characteristic curve**



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