



Photoelectric sensors
for transparent objects, Photoelectric retro-
reflective sensor, Product group W170

WL170-P420



Model Name > [WL170-P420](#)
Part No. > [6010186](#)



Product features

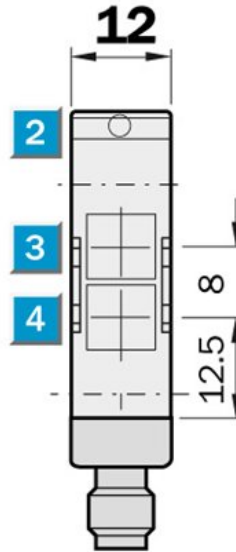
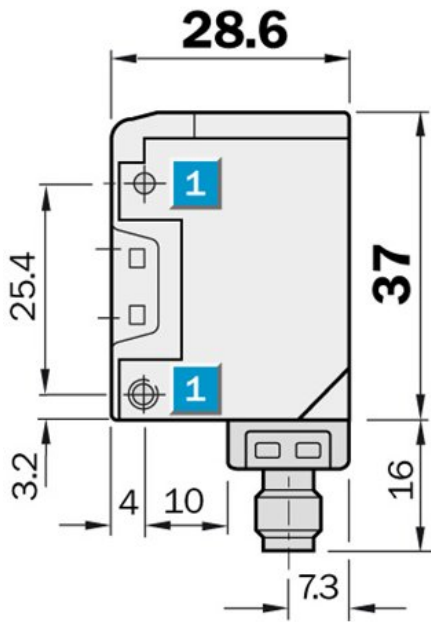
Sensing range min ... max:	0.1 m ... 0.65 m, 0.1 m ... 0.8 m
Type of light:	Visible red light
Laser:	Visible red light
Sensing range max.:	0.1 m ... 0.65 m, 0.1 m ... 0.8 m
Light spot size:	Approx. 30 mm at 0.5 m distance

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 ¹⁾
Switching output:	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

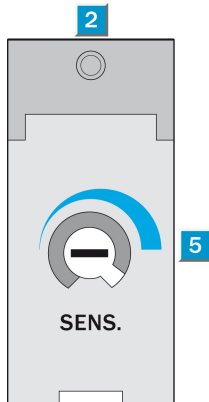
¹⁾ Limit values

Dimensional drawing

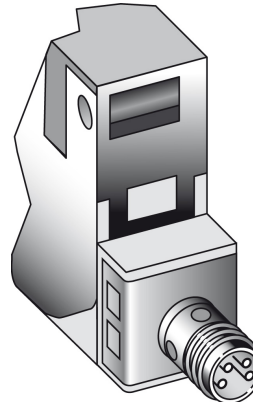


- [1] Mounting hole, \varnothing 3 mm with integrated M3 thread
- [2] LED signal strength indicator, red: light received \geq switching threshold
- [3] Center of optical axis, receiver
- [4] Center of optical axis, sender

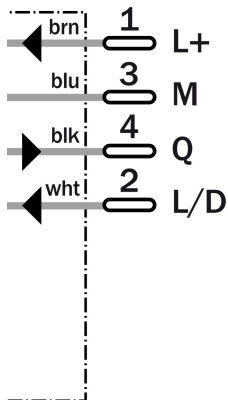
Adjustment possible



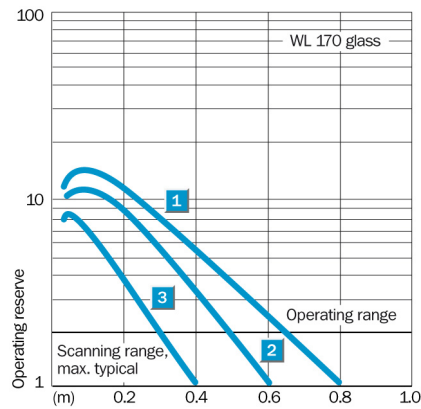
Connection type



Connection diagram



Characteristic curve



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