



Photoelectric sensors
Through-beam photoelectric sensor, Product
group W170

WS/WE170-N430

Model Name > [WS/WE170-N430](#)
Part No. > [6010184](#)



Product features

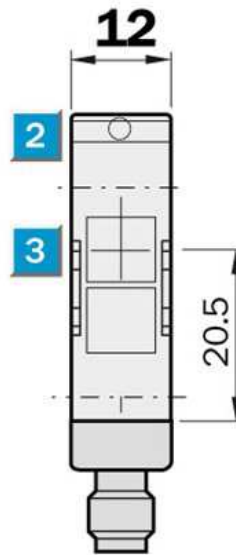
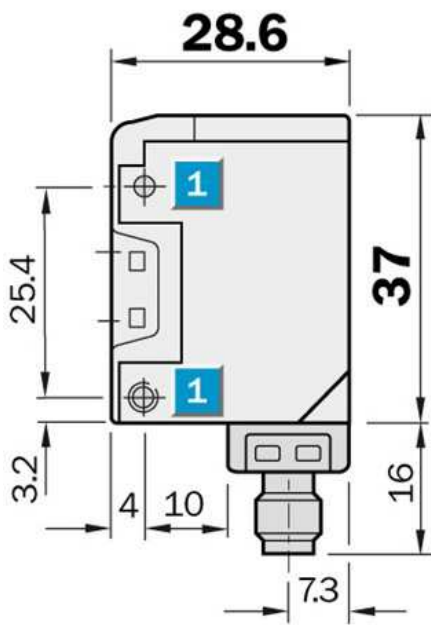
Sensing range min ... max::	0 m ... 7 m, 0 m ... 8.5 m
Type of light:	Red light
Laser:	Red light
Sensing range max.:	0 m ... 7 m, 0 m ... 8.5 m
Light spot size:	Approx. 850 mm at 0.5 m distance

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⁾
Output type:	NPN: open collector: Q
Switching mode:	Light-/dark-switching via L/D control cable
Response time::	≤ 1 s
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

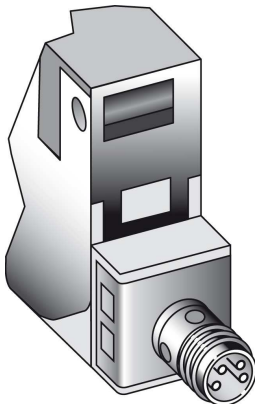
¹⁾ Limit values

Dimensional drawing

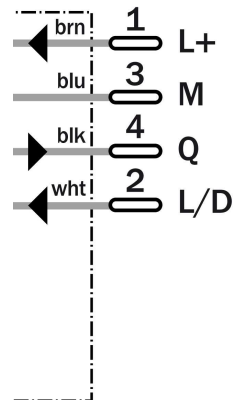


- [1] Mounting hole, \varnothing 3 mm with integrated M3 thread
- [2] LED signal strength indicator, red: light received \geq switching threshold
- [3] centre of optical axis, sender (WS) and receiver (WE)

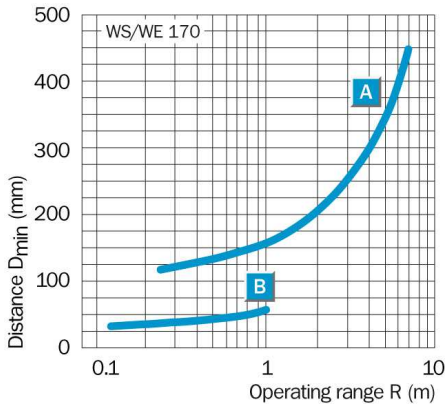
Connection type



Connection diagram



Characteristic curve



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