

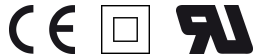
Proximity / Reflex Sensors
Product group W170, Photoelectric reflex switch

WL170-P430



Model Name WL170-P430
Part Number 6010190

- Polarising filter enabling reliable detection of objects with shiny surfaces
- Also suitable for "Diamond Grade" reflective tape
- Visible red light LED transmitter as alignment aid



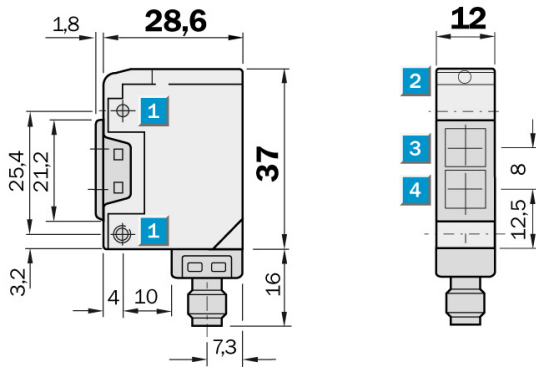
Product features

Sensing range min ... max:	0.01 ... 4 m
Relating to:	Reflector PL80A
Light source:	LED
Type of light:	visible red light
Light spot diameter:	Approx. 200 mm at 2.5 m distance

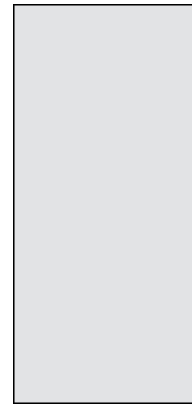
Technical data

Design:	cuboid
Dimensions (W x H x D):	12 x 28,6 x 37 mm
Angle of dispersion:	ca. 2.7 °
Supply voltage min ... max:	DC 10 ... 30 V
Ripple:	± 10 %
Power consumption:	≤ 30 mA
Switching output:	PNP: open collector: Q
Switching mode:	Light/dark-switching via L/D control cable
Output current max.:	100 mA
Response time:	≤ 0.7 ms
Switching frequency:	700 Hz
Connection type:	Connector, M8, 4-pin
Circuit protection:	Vs connections reverse-polarity protected/In-/outputs short-circuit protected/Interference suppression/Outputs overcurrent and short-circuit protected
Enclosure rating:	IP 67
Ambient operation temperature, min ... max:	-25 °C ... +55 °C
Ambient storage temperature, min ... max:	-40 °C ... +70 °C
Weight:	ca. 66 g
Front screen heating:	-
Polarisation filter:	✓
Housing material:	Stainless steel/ABS
Included with delivery:	Mounting bracket BEF-W170 and reflector P250

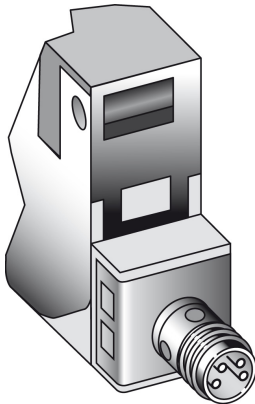
Masszeichnung



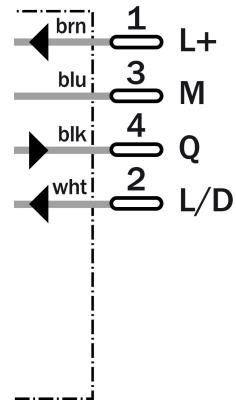
Einstell-Möglichkeiten



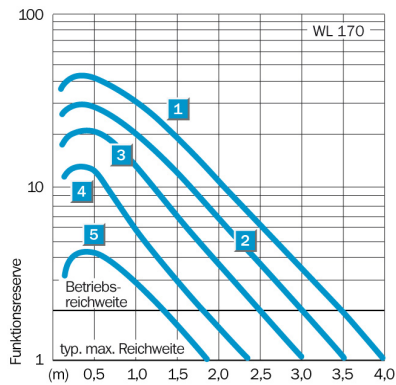
Anschlussart



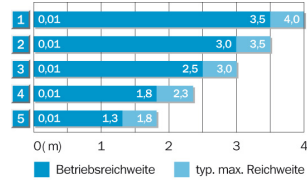
Anschluss-Schema



Funktionsreserve



Schaltabstand-Diagramm



Reflektor-Typ	Betriebsreichweite
1 PL 80 A	0,01 – 3,5 m
2 PL 50 A	0,01 – 3,0 m
PL 40 A	0,01 – 3,0 m
3 P 250	0,01 – 2,5 m
PL 30 A	0,01 – 2,5 m
PL 31	0,01 – 2,5 m
4 PL 20	0,01 – 1,8 m
5 Reflexionsfolie	0,01 – 1,3 m
Diamond Grade 90x90 mm	

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