

sensor WLL170-2P132

URL:<https://www.sxplc.com/sensor-wll170-2p132>

Product data sheet

Detailed technical parameters

Characteristics

Machine model Fiber optic sensor

Dimensions (W x H x D) 10.5 mm x 35.5 mm x 83.7 mm

Housing shape (beam exit) square

Max. switching distance 0 mm ... 4,000 mm (counterpoise system) 1)

Sensing distance 0 mm ... 160 mm, diffuse system 2) 3)

0 mm ... 700 mm, retroreflective system 4)

Focal length approx. 65° 5)

Type of light source Visible red light

Light source LED 6)

Emitter scattering angle approx. 65° 5)

Axis length 660 nm

Setting Potentiometer, 10 turns

Display LED

Mechanical/electrical parameters

Operating voltage UB 10 V DC ... 30 V DC 1)

Residual ripple 10 % 2)

Current consumption 30 mA 3)

Switching output PNP

Number of switching outputs 1

Switch type Light/dark switching

Switch type selectable Selectable via bright pass/dark pass switch

Response time $\leq 250 \mu\text{s}$ 4)

Switching frequency 2,000 Hz 5)

Time function Off delay

Delay time Selectable via slide switch, ≤ 40 ms

Inputs

Connection type Cable, 3-pole, 2 m 6)

Conductor material PVC

Wire cross section 0.2 mm^2

Conductor diameter $\varnothing 3.8$ mm

Protection circuit A 7)

B 8)

C 9)

D 10)

Protection class III

Weight 70 g

Housing material Plastic, ABS/PC

Protection class IP66 11)

Scope of delivery Mounting bracket BEF-WLL170

Operating temperature -25 °C ... +55 °C

Ambient warehouse temperature -40 °C ... +70 °C

