



CSM-WP11122P

CSM

COLOR SENSORS

SICK
Sensor Intelligence.



Ordering information

Type	Part no.
CSM-WP1122P	1067291

Other models and accessories → www.sick.com/CSM



Detailed technical data

Features

Dimensions (W x H x D)	12 mm x 31.5 mm x 21 mm
Sensing distance	12.5 mm ¹⁾
Housing design (light emission)	Rectangular
Sensing distance tolerance	± 3 mm
Light source	LED, RGB ²⁾
Wave length	640 nm, 525 nm, 470 nm
Light spot size	1.5 mm x 6.5 mm
Light spot direction	Vertical
Adjustment	Teach-in button
Teach-in mode	1-point-teach-in

¹⁾ From front edge of lens.

²⁾ Average service life: 100,000 h at T_J = +25 °C.

Mechanics/electronics

Supply voltage	12 V DC ... 24 V DC ¹⁾
Ripple	< 5 V _{pp} ²⁾
Power consumption	< 50 mA ³⁾
Switching frequency	1.7 kHz ⁴⁾
Response time	300 μs ⁵⁾
Jitter	150 μs
Output type	PNP

¹⁾ Limit values: DC 12 V (-10 %) ... DC 24 V (+20 %). Operation in short-circuit protected network max. 8 A.

²⁾ May not exceed or fall below U_v tolerances.

³⁾ Without load.

⁴⁾ With light/dark ratio 1:1.

⁵⁾ Signal transit time with resistive load.

⁶⁾ At supply voltage > 24 V, I_{max} = 30 mA. I_{max} is consumption count of all Q_N.