



# CSM1

Compact color detection

COLOR SENSORS

**SICK**  
Sensor Intelligence.



### Technical data overview

<b>Sensing distance</b>	12.5 mm <sup>1)</sup>
<b>Light spot size</b>	1.5 mm x 6.5 mm
<b>Switching frequency</b>	1.5 kHz
<b>Response time</b>	500 µs <sup>2)</sup>
<b>Output (channel)</b>	1 color
<b>Adjustment</b>	Static 1-point teach-in
<b>Connection type</b>	Male connector

<sup>1)</sup> From front edge of lens.

<sup>2)</sup> Signal transit time with resistive load.

### Product description

The compact CSM is ideal for all applications where space is limited. It identifies, sorts or checks objects according to color. Teach-in of the color tolerance (precise, medium, and coarse) is easy. The CSM is characterized by its user-friendly operation and has a switching frequency of 1.5 kHz.

### At a glance

- One color can be saved
- 12.5 mm sensing distance
- Switching frequency 1.5 kHz
- Color tolerance (precise, medium, coarse) can be set
- Static object teach-in via control cable or control panel
- Small housing

### Your benefits

- Easy integration into existing machines – even in places where space is limited
- Fast and easy setup saves time and costs
- Broad spectrum of color tolerances enables more flexible use

### Ordering information

Other models and accessories → [www.sick.com/CSM1](http://www.sick.com/CSM1)

Sensing distance	Switching output	Light spot size	Connection type Detail	Type	Part no.
≤ 12.5 mm	NPN	1.5 mm x 6.5 mm	Male connector M12, 4-pin	CSM1-N1114	1018514
	PNP	1.5 mm x 6.5 mm	Male connector M12, 4-pin	CSM1-P1114	1022569

## SICK AT A GLANCE

SICK is one of the leading manufacturers of intelligent sensors and sensor solutions for industrial applications. A unique range of products and services creates the perfect basis for controlling processes securely and efficiently, protecting individuals from accidents and preventing damage to the environment.

We have extensive experience in a wide range of industries and understand their processes and requirements. With intelligent sensors, we can deliver exactly what our customers need. In application centers in Europe, Asia and North America, system solutions are tested and optimized in accordance with customer specifications. All this makes us a reliable supplier and development partner.

Comprehensive services complete our offering: SICK LifeTime Services provide support throughout the machine life cycle and ensure safety and productivity.

For us, that is “Sensor Intelligence.”

## WORLDWIDE PRESENCE:

Contacts and other locations –[www.sick.com](http://www.sick.com)