Product family overview



CSM1

Compact color detection

SICK
Sensor Intelligence.



Technical data overview

Sensing distance	12.5 mm [1]
Light spot size	1.5 mm x 6.5 mm
Output (channel)	1 color
Adjustment	Static 1-point teach-in
Connection type	Male connector

[1] From leading edge of lens.

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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

- **Housing design:** rectangular
- **Communication interface:** -
- **Sensing distance:** ≤ 12.5 mm

Switching output	Light spot size	Light spot direction	Connection type Detail	Type	Part no.
NPN	1.5 mm x 6.5 mm	Vertical	Male connector M12, 4-pin	CSM1-N1114	1018514
PNP	1.5 mm x 6.5 mm	Vertical	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