



## M2000 Standard in IP69K Housing

Cost efficient solution for industries with high wash-down requirements

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Safety level</b>	PL c, SIL 1, Type 2
<b>Number of beams</b>	2 / 3 / 4 (depending on type)
<b>Beam separation</b>	500 mm / 400 mm / 300 mm (depending on type)
<b>Enclosure rating</b>	IP69K, IP67, IP66, IP65
<b>Ambient operating temperature</b>	0 °C ... +55 °C



## Product description

The M2000 multiple light beam safety device in the IP69K housing is used for access and hazardous point protection in wash down environments, such as those found in the food and beverage industry. The compact design and the use of stainless steel, PA, PMMA and PVC materials provide a high resistance to common cleaning agents. The device withstands the use of high pressure cleaners with a water pressure of up to 100 bar and water temperatures up to 80 °C. A special diaphragm element ensures that the pressure is balanced and prevents condensation on the plastic pipe and stops liquids from penetrating. The use of IP69K-suitable PVC cables ensures safe cable routing.

## At a glance

- Type 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849)
- IP 69K, IP 67, IP 66 and IP 65 enclosure ratings incl. cable
- Withstands wash-down pressure up to 100 bar and water temperature up to 80 °C
- ECOLAB and Diversey certified
- Resistant steel materials
- Ventilation valve prevents fogging of the front screen
- Smooth surfaces prevent accumulation of bacteria
- Compact design

## Your benefits

- IP 69K-rated housing and connection cables provide a longer service life, which saves costs
- Chemically resistant housing materials improve production quality and save costs
- As an alternative to hard guards, personnel can quickly access and service protected areas, keeping productivity high
- Resistant even when high pressure cleaners are used
- Reliable protection, even when temperatures fluctuate

## Fields of application

- Food and beverage industry
- Dairy industry
- Meat industry
- Pharmaceutical industry
- Chemical industry (cleanroom)
- Machine tools industry

## Ordering information

Other models and accessories → [www.sick.com/M2000\\_Standard\\_in\\_IP69K\\_Housing](http://www.sick.com/M2000_Standard_in_IP69K_Housing)

- **External device monitoring (EDM):** ✓

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
2	500 mm	M25S-02150C112	1024208	M25E-02150C112	1024209
3	400 mm	M25S-03140C112	1024210	M25E-03140C112	1024211
4	300 mm	M25S-04130C112	1024212	M25E-04130C112	1024213

## 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)