



M4000 Standard in IP69K Housing

For stringent requirements in terms of hygiene and cleaning

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SIL 3, Type 4
Number of beams	3
Beam separation	400 mm
Enclosure rating	IP69K, IP67, IP66, IP65
Ambient operating temperature	-30 °C ... +55 °C



Product description

The M4000 multiple light beam safety device in the IP 69K 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 IP 69K-suitable PVC cables ensures safe cable routing.

At a glance

- Type 4 (IEC 61496), SIL3 (IEC 61508), PL e (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

Your benefits

- High resistance reduces risk of contamination and increases the production quality
- Cost reduction through long-lasting products, enclosure rating IP 69K for all materials including cable
- Replacement for mechanical guards, with the following advantages:
 - Fast access for personnel and service increases productivity
 - Saving potential for cleaning time and use of detergents

Ordering information

Other models and accessories → www.sick.com/M4000_Standard_in_IP69K_Housing

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
3	400 mm	M45S-034000ELO	1057664	M45E-034000ELO	1057665
				M45E-034000FLO	1057666

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