



Upgrade kit MSL to M4000

The reliable solution ensuring the safety of your system – a SICK original

SICK
Sensor Intelligence.



Technical data overview

Replaces	MSL
Scanning range	0.5 m ... 70 m, configurable
Beam separation or resolution	220 mm ... 600 mm (depending on type)
Number of beams	2 ... 6 (depending on type)

Product description

SICK offers a pre-assembled upgrade kit allowing the simple replacement of MSL opto-electronic protective devices, which is perfectly matched to the latest machine and system safety requirements.

With the upgrade kit MSL to M4000, MSL protective devices can be replaced quickly and easily with the M4000 successor product. The specially designed adapter exactly fits the existing terminal compartments of the proven MSL devices – meaning that the new M4000 multiple light beam safety device can be connected directly without the need for additional work.

At a glance

- Efficient solution for the replacement of MSL protective devices
- The latest generation of multiple light beam safety device: M4000
- Adapter for connecting the M4000 to MSL terminal compartments
- Mounting brackets
- Upgrade kit MSL to M4000 Advanced including UE403 muting switching amplifier as replacement for the MSM muting module

Your benefits

- Specially developed solution for the direct replacement of the proven MSL protective devices
- Simple to install thanks to flexible mounting brackets
- No new cabling required, plug and play thanks to pre-assembled adapters
- Simple integration in existing systems, minimal downtime
- Taking the quick, precautionary step of converting your system means costly and unscheduled outage times are avoided
- Additional upgrade service: On request, SICK will carry out all the conversion work for your system on site

Fields of application

- Access protection
- Hazardous area protection

Ordering information

Other models and accessories → www.sick.com/Upgrade_kit_MSL_to_M4000

- **Response time:** 10 ms

Replaces MSL variant	Number of beams	Beam separation	Items supplied	Type	Part no.
MSL	2	500 mm	1 M4000 Standard multiple light beam safety device; 1 MSL adapter / M4000 sender; 1 MSL adapter / M4000 receiver	MSL to M4000 Standard 2/500 upgrade kit	1083658
		600 mm		MSL to M4000 Standard 2/600 upgrade kit	1083659
	3	220 mm		MSL to M4000 Standard 3/220 upgrade kit	1083660
		400 mm		MSL to M4000 Standard 3/400 upgrade kit	1083662
		450 mm		MSL to M4000 Standard 3/450 upgrade kit	1083663
	4	220 mm		MSL to M4000 Standard 4/220 upgrade kit	1083664
	5	220 mm		MSL to M4000 Standard 5/220 upgrade kit	1083665
	6	220 mm		MSL to M4000 Standard 6/220 upgrade kit	1083666
MSL/MSM	2	500 mm	1 M4000 Advanced multiple light beam safety device; 1 MSL adapter / M4000 sender; 1 MSL adapter / M4000 receiver; 1 UE403 muting switching amplifier; 1 connection cable	MSL with MSM to M4000 Advanced with UE403 2/500 upgrade kit	1083685
		600 mm		MSL with MSM to M4000 Advanced with UE403 2/600 upgrade kit	1083686
	3	220 mm		MSL with MSM to M4000 Advanced with UE403 3/220 upgrade kit	1083687
		450 mm		MSL with MSM to M4000 Advanced with UE403 3/450 upgrade kit	1083689
	4	220 mm		MSL with MSM to M4000 Advanced with UE403 4/220 upgrade kit	1083690
	5	220 mm		MSL with MSM to M4000 Advanced with UE403 5/220 upgrade kit	1083691
	6	220 mm		MSL with MSM to M4000 Advanced with UE403 6/220 upgrade kit	1083692
	MSLZ	2		500 mm	1 M4000 Standard A/P multiple light beam safety device; 1 MSL adapter / M4000 receiver; 1 deflector mirror

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