



M4000 Advanced

Intelligent and efficient: connection of the muting signals directly on site

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL e, SIL 3, Type 4
Scanning range	70 m
Number of beams	2 ... 8 (depending on type)
Beam separation	220 mm ... 600 mm (depending on type)
Integrated laser alignment aid	- / ✓ (depending on type)
End cap with integrated LED	- / ✓ (depending on type)
Enclosure rating	IP65
Ambient operating temperature	-30 °C ... +55 °C



Product description

The M4000 Advanced multiple light beam safety device with the UE403 muting switching amplifier is an efficient solution for conventional muting applications involving automatic material transport. The configuration via PC and the on-site connection of the muting signals ensure maximum reliability. Various mounting adapters and innovative accessories enable flexible mounting. Integrated functions and status and diagnostics information allow quick commissioning and minimize machine downtime. The modular concept enables a high level of machine safety since device properties can be adapted to meet specific application requirements. In addition, sens:Control devices, accessories, and services complete the product offering and form packaged solutions designed specifically for industrial environments.

At a glance

- Type 4 (IEC 61496), SIL3 (IEC 61508), PL e (EN ISO 13849)
- Robust housing with three mounting grooves
- Wide scanning range, up to 70 m
- External device monitoring (EDM), restart interlock, application diagnostic output, SDL interface
- Muting in combination with the UE403 muting switching amplifier
- 7-segment display
- Configuration and diagnostics via PC
- Optional integration features: laser alignment aid, LED

Your benefits

- The wide scanning range allows the device to be customized according to the application
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Mounting grooves on three housing sides ensure more mounting flexibility and simplify machine integration
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- For 2- and 4-sensor muting, the on-site connection of the muting signals significantly minimizes wiring costs and simplifies commissioning and maintenance
- Reduced downtime due to 360° visible LED, diagnostics displays and configuration memory in the UE403 muting switching amplifier

Fields of application

- Access protection with and without muting
- Machine tools industry
- Automotive industry, robotics industry and automatic machining centers
- Storage and conveyor, packaging machinery, palletizer systems and stackers
- Wood machining, large weaving machines and stone setting systems

Ordering information

Other models and accessories → www.sick.com/M4000_Advanced

Number of beams	Beam separation	Sender		Receiver			
		Type	Part no.	Type	Part no.		
2	500 mm	M40S-025003AA0	1200060	M40E-025003RB0	1200065		
				M40E-025023RB0	1200062		
		M40S-025003EA0	1202667	M40E-025003WB0	1202707		
		M40S-025013AA0	1200057	M40E-025013RB0	1200058		
	600 mm			M40E-025033RB0	1200110		
		M40S-026003AA0	1200070	M40E-026003RB0	1200096		
				M40E-026023RB0	1200079		
		M40S-026013AA0	1200078	M40E-026013RB0	1200105		
3	220 mm	M40S-032203AA0	1200063	M40E-032203RB0	1200097		
				M40E-032223RB0	1200066		
	400 mm	M40S-034003AA0	1200061	M40E-034003RB0	1200064		
				M40E-034023RB0	1200067		
				M40S-034003EA0	1202668	M40E-034003WB0	1202708
				M40S-034013AA0	1200069	M40E-034013RB0	1200106
	450 mm			M40E-034033RB0	1200068		
		M40S-034503AA0	1200071	M40E-034503RB0	1200098		
			M40E-034523RB0	1200081			
M40S-034513AA0		1200082	M40E-034513RB0	1200107			
4	220 mm	M40S-042203AA0	1200072	M40E-042203RB0	1200099		
				M40E-042223RB0	1210279		
	300 mm	M40S-043003AA0	1200073	M40E-043003RB0	1200100		
				M40E-043023RB0	1200109		
				M40S-043013AA0	1200080	M40E-043013RB0	1200108
						M40E-043033RB0	1200113
	5	220 mm	M40S-052203AA0	1200074	M40E-052203RB0	1200101	
					M40E-052223RB0	1208161	
6	220 mm	M40S-062203AA0	1200075	M40E-062203RB0	1200102		
				M40E-062223RB0	1203850		
7	220 mm	M40S-072203AA0	1200076	M40E-072203RB0	1200103		
				M40E-072223RB0	1201247		
8	220 mm	M40S-082203AA0	1200077	M40E-082203RB0	1200104		
				M40E-082223RB0	1206683		

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