M4000 Advanced A/P

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

SICK

Sensor Intelligence.

M4000 Advanced A/P

Technical data overview

Safety level	PL e, SIL 3, Type 4
Scanning range	7.5 m / 4.5 m (depending on type)
Number of beams	2 / 4 (depending on type)
Beam separation	500 mm / 300 mm (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)
- Sender/receiver in a single housing, scanning range up to 7.5 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 integrated: 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_A_P

Number of beams	Beam separation	Active unit		Passive unit	
		Type	Part no.	Type	Part no.
2	500 mm	M40Z-025003BB0	1206482	PSD01-2501	1027907
		M40Z-025003RB0	1200115	PSD01-1501	1027906
		M40Z-025003TB0	1200128	PSD01-2501	1027907
		M40Z-025023RB0	1200126	PSD01-1501	1027906
		M40Z-025023TB0	1200125	PSD01-2501	1027907
4	300 mm	M40Z-043003TB0	1200127	PSD02-2301	1027908
		M40Z-043023TB0	1200131	PSD02-2301	1027908

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**

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