M4000 Standard A/P

Intelligent wiring and maximum availability

SICK
Sensor Intelligence.

M4000 Standard A/P

Technical data overview

Safety level	PL e, SIL 3, Type 4
Scanning range	7.5 m / 4.5 m (depends on variant)
Number of beams	2 / 4 (depends on variant)
Beam separation	500 mm / 300 mm (depends on variant)
End cap with integrated LED	– / ✔ (depends on variant)
Enclosure rating	IP65
Ambient operating temperature	–30 °C ... +55 °C

Product description

The M4000 Standard A/P multiple light beam safety device is the economical solution for access protection. It is particularly economical since only the active side must be wired, which reduces the installation time. The M4000's large scanning range and extensive functions provide efficient access protection and maximum reliability. The functions are easy to understand and are set via the configuration keys located directly on the device. Integrated functions and status information enable 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 and application diagnostic output
- Standardized M12 connectivity
- 7-segment display
- Configuration keys for setting directly on the device
- Beam coding for correct system allocation
- Optional integrated: LED, Actuator Sensor Interface

Your benefits

- Economical active/passive variants minimize the wiring and installation workload.
- Resilient and rugged design for high system throughput, even under special ambient conditions
- Mounting grooves on three housing sides ensure greater mounting flexibility and facilitate integration with the machine
- User-friendly interfaces and status indicators simplify commissioning and maintenance
- Fast startup times due to configuration directly on the device, without the need for a PC
- Reduced downtimes thanks to all-around-visible LEDs and diagnostics displays

Fields of application

- Access protection
- Machine tool
- Automotive industry, robotics, 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_Standard_A_P

Number of beams	Beam separation	Active unit		Passive unit	
		Type	**Part no.**	**Type**	**Part no.**
2	500 mm	M40Z-025000AR0	1204936	PSD01-1501	1027906
		M40Z-025000RR0	1200120	PSD01-1501	1027906
		M40Z-025000RT0	1200161	PSD01-1501	1027906
		M40Z-025000TR0	1200122	PSD01-2501	1027907
		M40Z-025000TT0	1200150	PSD01-2501	1027907
		M40Z-025002AU0	1200141	PSD01-1501	1027906
		M40Z-025002BU0	1200340	PSD01-2501	1027907
		M40Z-025020RR0	1200124	PSD01-1501	1027906
		M40Z-025020RT0	1200156	PSD01-1501	1027906
		M40Z-025020TR0	1200129	PSD01-2501	1027907
		M40Z-025020TT0	1200151	PSD01-2501	1027907
		M40Z-025022AU0	1201456	PSD01-1501	1027906
		M40Z-025022BU0	1201170	PSD01-2501	1027907
4	300 mm	M40Z-043000TR0	1200123	PSD02-2301	1027908
		M40Z-043000TT0	1200152	PSD02-2301	1027908
		M40Z-043002BU0	1201580	PSD02-2301	1027908
		M40Z-043020TR0	1200130	PSD02-2301	1027908
		M40Z-043020TT0	1200153	PSD02-2301	1027908
		M40Z-043022BU0	1202814	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**

SICK AG | Waldkirch | Germany | www.sick.com

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