



M2000 Standard A/P

Intelligent wiring and maximum availability with a proven industrial design

SICK
Sensor Intelligence.



Technical data overview

Safety level	PL c, SIL 1, Type 2
Scanning range	6 m
Number of beams	2
Beam separation	500 mm
Enclosure rating	IP65
Ambient operating temperature	0 °C ... +55 °C



Product description

The M2000 Standard A/P multiple light beam safety device is an ideal solution for simple access protection. It is particularly economical since only the active side must be wired, which reduces the required installation considerably. The functions are easy to understand and the mechanical and electrical interfaces are simple to manage. Integrated functions and status information enable quick commissioning and minimize machine downtime. The modular concept makes it possible to customize the device features according in to the application requirements and ensures high machine safety. 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 2 (IEC 61496), SIL1 (IEC 61508), PL c (EN ISO 13849)
- Robust, industrial housing
- Scanning range up to 6 m
- External device monitoring (EDM) and internal self-testing configurable without PC
- Standardized M12 connectivity is available
- 7-segment display
- Unique A/P version minimize the wiring costs

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
- User-friendly interfaces and status indicators simplify commissioning and maintenance
- Reduced downtime due to diagnostics displays located directly on the device
- Fast start-up times due to easy alignment using the optional laser alignment aid (separate accessories)

Fields of application

- Access protection on sandwich panel production plants
- Access protection on pallet splitting systems
- Access protection on laminating systems
- Access protection on transport systems for wood and furniture processing
- Muting stations for packaging systems
- Rear area protection for plate shears

Ordering information

Other models and accessories → www.sick.com/M2000_Standard_A_P

- **Number of beams:** 2
- **Beam separation:** 500 mm

System connection	External device monitoring (EDM)	Active unit		Passive unit	
		Type	Part no.	Type	Part no.
Hirschmann male connector M26, 12-pin	–	M20Z-02550A121	1016513	PSD01-1501	1027906
Hirschmann plug M26, 7-pin	–	M20Z-02550A120	1026510	PSD01-1501	1027906
Male connector M12, 8-pin	✓	M20Z-02550A122	1018361	PSD01-1501	1027906

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