M2000 RES/EDM A/P
Protection using intelligent wiring and integrated functions

SICK
Sensor Intelligence.

M2000 RES/EDM A/P

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

Product description

The M2000 RES/EDM A/P multiple light beam safety device is an ideal solution for simple access protection. Similar to the M2000 A/P Standard, this safety device is particularly economical since only the active side must be wired, which reduces the required installation considerably. In addition, the integrated restart interlock (RES) provides shorter cable runs and fast commissioning times. 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 allows customization of the deviceaccording 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), PL c (EN ISO 13849)
- Robust, industrial housing
- 7-segment display
- Scanning range up to 6 m
- External device monitoring (EDM), restart interlock (RES), and internal self-testing configurable without PC
- Economical active/passive variants minimize the wiring costs
- Standardized M12 connectivity

Your benefits

- Economical active/passive variants minimize the wiring costs and installation time
- Robust design with a high level of resistance to environmental changes ensures high machine availability, even under special ambient conditions
- Customer-friendly interfaces and status indicators simplify commissioning and maintenance
- Reduced downtime due to diagnostics displays located directly on the device
- Integrated restart interlock provides shorter cable runs and quicker commissioning times
- 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_RES_EDM_A_P

- **System connection:** Hirschmann plug M26, 7-pin

Number of beams	Beam separa-tion or resolution	Active unit		Passive unit	
		Type	**Part no.**	**Type**	**Part no.**
–	500 mm, PSD01-1501	M20Z-02550A220	1026511	PSD01-1501	1027906

- **System connection:** Hirschmann male connector M26, 12-pin

Number of beams	Beam separa-tion or resolution	Active unit		Passive unit	
		Type	**Part no.**	**Type**	**Part no.**
–	500 mm, PSD01-1501	M20Z-02550A221	1018239	PSD01-1501	1027906

- **System connection:** male connector M12, 8-pin

Number of beams	Beam separa-tion or resolution	Active unit		Passive unit	
		Type	**Part no.**	**Type**	**Part no.**
–	500 mm, PSD01-1501	M20Z-02550A222	1018362	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**