M4000 Area
Large scanning ranges protect hazardous areas

SICK
Sensor Intelligence.

M4000 Area

Technical data overview

Safety level	PL e, SIL 3, Type 4
Resolution	60 mm / 80 mm (depending on type)
Scanning range	21 m / 90 m (depending on type)
Protective field height	300 mm … 1,800 mm (depending on type)
Enclosure rating	IP65
Ambient operating temperature	−30 °C … +55 °C

CE   UK CA

Product description

The M4000 Area multiple light beam safety device is an efficient solution for area protection or for preventing employees from standing behind the point-of-operation. The menu-driven configuration via PC and the high scanning ranges ensure maximum reliability. The integrated EFI interface allows the use of additional sensor functions. Integrated functions and status and diagnostics information allow quick commissioning and minimize downtime. 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
- Resolution 60 mm or 80 mm
- External device monitoring (EDM), restart interlock, application diagnostic output, SDL interface
- 7-segment display
- Configuration and diagnostics via PC
- Beam coding for correct system allocation

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

Fields of application

- Area protection or point-of-operation guarding of a hazardous point
- Robotics industry
- Automatic machining centers
- Paper rollers

Ordering information

Other models and accessories → www.sick.com/M4000_Area

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

Resolution	Scanning range	Protective field height	Sender		Receiver	
			Type	Part no.	Type	Part no.
60 mm	21 m	300 mm	M40S-60A005AA0	1200915	M40E-60A005RA0	1200916
		450 mm	M40S-61A005AA0	1200138	M40E-61A005RA0	1200137
		600 mm	M40S-60A005AA0	1201067	M40E-62A005RA0	1201068
		750 mm	M40S-63A005AA0	1200674	M40E-63A005RA0	1200914
		900 mm	M40S-64A005AA0	1200506	M40E-64A005RA0	1200508
		1,050 mm	M40S-65A005AA0	1200507	M40E-65A005RA0	1200509
		1,200 mm	M40S-66A005AA0	1200805	M40E-66A005RA0	1200806
		1,350 mm	M40S-67A005AA0	1200837	M40E-67A005RA0	1200838
		1,500 mm	M40S-68A005AA0	1200850	M40E-68A005RA0	1200849
		1,650 mm	M40S-60A005AA0	1200912	M40E-69A005RA0	1200913
		1,800 mm	M40S-70A005AA0	1200147	M40E-70A005RA0	1200146
80 mm	90 m	300 mm	M40S-60A105AA0	1207202	M40E-60A105RA0	1207203
		450 mm	M40S-61A105AA0	1207205	M40E-61A105RA0	1207204
		600 mm	M40S-62A105AA0	1200139	M40E-62A105RA0	1200140
		750 mm	M40S-63A105AA0	1200134	M40E-63A105RA0	1200685
		900 mm	M40S-64A105AA0	1201655	M40E-64A105RA0	1201656
		1,050 mm	M40S-65A105AA0	1200586	M40E-65A105RA0	1200587
		1,200 mm	M40S-66A105AA0	1201046	M40E-66A105RA0	1201045
		1,350 mm	M40S-67A105AA0	1200604	M40E-67A105RA0	1200605
		1,500 mm	M40S-68A105AA0	1200588	M40E-68A105RA0	1200589
		1,650 mm	M40S-69A105AA0	1200686	M40E-69A105RA0	1200687
		1,800 mm	M40S-70A105AA0	1200149	M40E-70A105RA0	1200148

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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