



## M4000 Standard

High efficient solutions with maximum availability

**SICK**  
Sensor Intelligence.



## Technical data overview

<b>Safety level</b>	PL e, SIL 3, Type 4
<b>Scanning range</b>	70 m
<b>Number of beams</b>	2 ... 8 (depends on variant)
<b>Beam separation</b>	220 mm ... 600 mm (depends on variant)
<b>Integrated laser alignment aid</b>	- / ✓ (depends on variant)
<b>End cap with integrated LED</b>	- / ✓ (depends on variant)
<b>Enclosure rating</b>	IP65
<b>Ambient operating temperature</b>	-30 °C ... +55 °C

## Product description

The M4000 Standard multiple light beam safety device is the solution for one-sided or multi-sided access protection. 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. Separate deflection mirrors are a cost-effective way to flexibly configure protective fields. 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
- External device monitoring (EDM), restart interlock and application diagnostic output
- Standardized M12 connectivity
- 7-segment display
- Configuration keys located directly on the device
- Optional integration features: laser alignment aid, LED or Actuator Sensor Interface

## 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
- Customized protection field adaption with deflection mirror reduces installation costs
- Customer-friendly interfaces and status display simplify commissioning and maintenance
- Mounting grooves on three housing sides ensure more flexibility during mounting and simplify machine integration
- Fast start-up times due to easy alignment, using the optional laser alignment aid and performing configuration directly on the device
- Reduced downtime through 360° visible LED and diagnostics displays

## Fields of application

- Access protection
- Machine tool 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\\_Standard](http://www.sick.com/M4000_Standard)

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
2	500 mm	M40S-025000AR0	1200000	M40E-025000AR0	1205948
				M40E-025000RR0	1200017
				M40E-025000RT0	1201233
				M40E-025020RR0	1200033
				M40E-025020RT0	1200056
		M40S-025000ER0	1202685	M40E-025000WR0	1202705
		M40S-025002AU0	1200053	M40E-025002AU0	1200054
				M40E-025022AU0	1206391
		M40S-025010AR0	1200011	M40E-025010RR0	1200028
				M40E-025010RT0	1200145
				M40E-025030RR0	1200038
				M40E-025030RT0	1200050
		M40S-025010ER0	1200048	M40E-025010XR0	1200047
		M40S-025012AU0	1200090	M40E-025012AU0	1200135
				M40E-025032AU0	1200136
		M40S-025012EU0	1200016	M40E-025012EU0	1200043
				M40E-025012FU0	1200044
	600 mm	M40S-026000AR0	1200001	M40E-026000RR0	1200018
				M40E-026000RT0	On request
				M40E-026020RR0	1200034
				M40E-026020RT0	On request
		M40S-026002AU0	1200083	M40E-026002AU0	On request
				M40E-026022AU0	1206392
		M40S-026010AR0	1200012	M40E-026010RR0	1200029
				M40E-026010RT0	On request
				M40E-026030RR0	1200039
				M40E-026030RT0	On request
		M40S-026012AU0	1200091	M40E-026012AU0	On request
				M40E-026032AU0	On request
3	220 mm	M40S-032200AR0	1200002	M40E-032200RR0	1200019
				M40E-032200RT0	1200675
				M40E-032220RR0	1207020
				M40E-032220RT0	On request
		M40S-032202AU0	1200084	M40E-032202AU0	On request
3	220 mm	M40S-032202AU0	1200084	M40E-032222AU0	On request
	400 mm	M40S-034000AR0	1200003	M40E-034000AR0	1200143
				M40E-034000RR0	1200020

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
				M40E-034000RT0	1201015
				M40E-034020RR0	1200035
				M40E-034020RT0	1200144
		M40S-034000ERO	1202684	M40E-034000WR0	1202706
		M40S-034010ARO	1200013	M40E-034010IRO	1201556
				M40E-034010RR0	1200030
				M40E-034010RT0	1200537
				M40E-034030RR0	1200040
				M40E-034030RT0	1200051
		M40S-034012AU0	1200116	M40E-034002AU0	1200117
			1200045	M40E-034012AU0	1200046
			1200116	M40E-034022AU0	On request
			1200045	M40E-034032AU0	On request
		M40S-034012EU0	1138544	M40E-034012EU0	1138546
				M40E-034012FU0	1138545
	450 mm	M40S-034500ARO	1200004	M40E-034500RR0	1200021
				M40E-034500RT0	1200142
				M40E-034520RR0	1200036
				M40E-034520RT0	On request
		M40S-034502AU0	1200085	M40E-034502AU0	On request
				M40E-034522AU0	On request
		M40S-034510ARO	1200014	M40E-034510RR0	1200031
				M40E-034510RT0	On request
				M40E-034530RR0	1200041
				M40E-034530RT0	On request
		M40S-034512AU0	1200092	M40E-034512AU0	1202966
				M40E-034532AU0	On request

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
4	220 mm	M40S-042200AR0	1200005	M40E-042200RR0	1200022
				M40E-042200RT0	On request
				M40E-042220RR0	1207019
				M40E-042220RT0	On request
		M40S-042202AU0	1200086	M40E-042202AU0	1213107
				M40E-042222AU0	On request
	300 mm	M40S-043000AR0	1200006	M40E-043000RR0	1200023
				M40E-043000RT0	1202928
				M40E-043020RR0	1200037
				M40E-043020RT0	On request
		M40S-043002AU0	1200087	M40E-043002AU0	1200530
				M40E-043022AU0	On request
		M40S-043010AR0	1200015	M40E-043010RR0	1200032
				M40E-043010RT0	On request
				M40E-043030RR0	1200042
				M40E-043030RT0	1202929
		M40S-043012AU0	1200093	M40E-043012AU0	1201626
				M40E-043032AU0	1201633
5	220 mm	M40S-052200AR0	1200007	M40E-052200RR0	1200024
				M40E-052200RT0	On request
				M40E-052220RT0	On request
		M40S-052202AU0	1200088	M40E-052202AU0	On request
				M40E-052222AU0	On request
6	220 mm	M40S-062200AR0	1200008	M40E-062200RR0	1200025
				M40E-062200RT0	1212530
				M40E-062220RR0	1200121
				M40E-062220RT0	1200119
		M40S-062202AU0	1200089	M40E-062202AU0	On request
				M40E-062222AU0	On request
7	220 mm	M40S-072200AR0	1200009	M40E-072200RR0	1200026
				M40E-072200RT0	1206083
				M40E-072220RR0	1203892
				M40E-072220RT0	1122950
		M40S-072202AU0	1200094	M40E-072202AU0	On request
				M40E-072222AU0	On request

Number of beams	Beam separation	Sender		Receiver	
		Type	Part no.	Type	Part no.
8	220 mm	M40S-082200AR0	1200010	M40E-082200RR0	1200027
				M40E-082200RT0	1201017
				M40E-082220RR0	1210699
				M40E-082220RT0	1204326
		M40S-082202AU0	1206049	M40E-082202AU0	On request
				M40E-082222AU0	1206050

## 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](http://www.sick.com)