



ELG

The sturdy light grid for many standard applications

SWITCHING AUTOMATION LIGHT GRIDS

SICK
Sensor Intelligence.



Technical data overview

Operating range	1.5 m ... 12 m (depending on type)
Beam separation	10 mm 30 mm 60 mm (depending on type)
Detection height	90 mm ... 3,120 mm (depending on type)
Connection type	Male connector M12, 4-pin Cable 5 m Cable, 5-wire Male connector M12, 5-pin (depending on type)
Length of cable	5 m / 15 m (depending on type)



Product description

SICK offers the versatile ELG, an extremely tough switching automation light grid with different monitoring heights and beam separations. The ELG is not sensitive to glare caused by sunlight and flashing light. Typical applications are in logistics for checking for projections on pallets and counting boxes and small parts. In addition, the ELG is used for vehicle separation at tollbooths. The ELG is available with up to 128 beams and with a minimum beam resolution of 10 mm.

At a glance

- Up to 128 beams
- Different beam resolutions 10 mm, 30 mm and 60 mm
- High operating reserve for scanning ranges up to 12 m
- Potentiometer for sensitivity adjustment
- Ambient light immunity up to 150,000 lux
- Tough aluminum housing
- PNP/NPN, relay output and a test input
- Optical synchronization

Your benefits

- High immunity to ambient light when exposed to sunlight and reflective objects, eliminating false trips
- A high operating reserve increases application availability and reduces maintenance costs
- Efficient and effective way to evaluate multiple beams in one housing with one connection cable
- Simple commissioning thanks to a larger optical aperture angle and manual fine adjustment option
- Optical synchronization enables quick installation and cost-effective connection
- The sensitivity adjustment enables trouble-free operation without reflection problems for the customer

Ordering information

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

Sub product family	Operating range	Beam separation	Detection height	Type	Part no.
ELG Long Range	2.5 m	60 mm	1,860 mm	ELG6-1860P501S24	1066373
			150 mm	ELG3-0150N521	1047932
	12 m	30 mm	210 mm	ELG3-0150P521	1026475
ELG Long Range	12 m	30 mm	210 mm	ELG3-0210N521	1025613
			210 mm	ELG3-0210P521	1025574
			210 mm	ELG3-0210P523	1055564
			210 mm	ELG3-0210P561	1046812
			330 mm	ELG3-0330P521	1057961

Sub product family	Operating range	Beam separation	Detection height	Type	Part no.	
			450 mm	ELG3-0450N521	1025614	
				ELG3-0450P521	1025440	
				ELG3-0450P561	1027894	
				ELG3-0450R221	1024268	
			570 mm	ELG3-0570P521	1025885	
			30 mm	690 mm	ELG3-0690N521	1025615
					ELG3-0690P521	1025568
		810 mm		ELG3-0810P521	1025577	
				ELG3-0810P523	1026177	
		930 mm		ELG3-0930N521	1025616	
				ELG3-0930P521	1025511	
				ELG3-0930R121	1025785	
				ELG3-0930R221	1026176	
				ELG3-0930R521	1025449	
				ELG3-0930R523	1026537	
		1,050 mm		ELG3-1050P521	1025570	
		1,170 mm		ELG3-1170N521	1025617	
				ELG3-1170P521	1025579	
				ELG3-1170P523	1040580	
		1,230 mm		ELG3-1230N521	1082945	
		1,410 mm		ELG3-1410N521	1025618	
			ELG3-1410P521	1025502		
			ELG3-1410P523	1026179		
ELG3-1410R523	1053265					
1,650 mm	ELG3-1650N521	1025620				
	ELG3-1650P521	1025503				
ELG Long Range	12 m	30 mm	1,890 mm	ELG3-1890N521	1025621	
				ELG3-1890P521	1025504	
				ELG3-1890P523	1026826	
				ELG3-1890R121	1026180	
			2,070 mm	ELG3-2070P521	1025505	
				ELG3-2070P523	1025572	
			2,370 mm	ELG3-2370P521	1025573	
				ELG3-2370P523	1026178	
			3,090 mm	ELG3-3090P521	1063717	
			60 mm	900 mm	ELG6-0900P521	1025447

Sub product family	Operating range	Beam separation	Detection height	Type	Part no.
				ELG6-0900R521	1026181
				ELG6-0900R523	1025453
			1,080 mm	ELG6-1080P521	1025586
			1,200 mm	ELG6-1200P561	1044292
			1,380 mm	ELG6-1380P521	1025587
				ELG6-1380P523	1025588
				ELG6-1380P561	1043870
				ELG6-1380R523	1025451
				ELG6-1380R523S02	1026459
			1,620 mm	ELG6-1620P521	1040686
			1,860 mm	ELG6-1860P521	1025589
				ELG6-1860P523	1025593
				ELG6-1860R521	1026182
				ELG6-1860R523	1026458
			2,040 mm	ELG6-2040P523	1025594
				ELG6-2040R523S01	1026295
			2,340 mm	ELG6-2340P521	1025596
			2,460 mm	ELG6-2460P523	1024293
				ELG6-2460R521	1026183
			3,120 mm	ELG6-3120P521	1047475
ELG Short Range	1.5 m	30 mm	150 mm	ELG3-0150P543S31	1109375
			390 mm	ELG3-0390P591S32	1109376
			930 mm	ELG3-0930P511S34	1109379
			1,050 mm	ELG3-1050P511S33	1109378
	2 m	30 mm	90 mm	ELG3-0090N511	1041095
				ELG3-0090P511	1024290
				ELG3-0090P513	1025443
			150 mm	ELG3-0150P513	1025578
			210 mm	ELG3-0210N513	1052378
				ELG3-0210P511	1025510

Sub product family	Operating range	Beam separation	Detection height	Type	Part no.
				ELG3-0210P513	1025438
			330 mm	ELG3-0330N511	1042302
				ELG3-0330P113	1040134
				ELG3-0330P511	1025575
				ELG3-0330P513	1025576
				ELG3-0330P591	1042613
				390 mm	ELG3-0390P591
			450 mm	ELG3-0450P511	1025490
				ELG3-0450P591	1029489
			570 mm	ELG3-0570P511	1025501
			690 mm	ELG3-0690N511	1041956
				ELG3-0690P511	1025499
			930 mm	ELG3-0930P511	1025492
			1,050 mm	ELG3-1050P511	1025452
	3 m	10 mm	100 mm	ELG1-0100P531	1026807
				ELG1-0100P533	1026808
			150 mm	ELG1-0150N533	1029596
				ELG1-0150P531	1026741
				ELG1-0150P533	1026809
				ELG1-0150P571	1028333
5 m	10 mm	150 mm			

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