



FLG4-20012011

FLG

SWITCHING AUTOMATION LIGHT GRIDS

SICK
Sensor Intelligence.



Illustration may differ



Ordering information

Type	Part no.
FLG4-20012011	6049135

Other models and accessories → www.sick.de/FLG

Detailed technical data

Features

Version	Close
Technology	Sender/receiver
Minimum detectable object (MDO)	Dynamic: 4 mm Static: 6 mm
Beam separation	4 mm
Output function	Light/dark switching adjustable by means of rotary switch

Performance

Detection area (W x H)	120 mm x 200 mm
Response time	< 0.1 ms

Interfaces

Switching output	PNP/NPN (Q and /Q)
Connection type	M12, 4-pin male connector

Mechanics/electronics

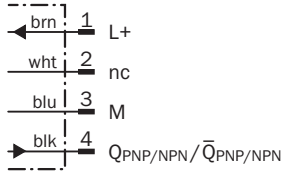
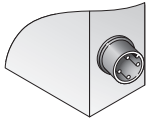
Wave length	880 nm
Supply voltage V_s	DC 18 V ... 30 V ¹⁾
Ripple	< 10 %
Output current I_{max}	≤ 100 mA
Off delay	0 s ... 5 s ²⁾
Initialization time	0.3 s
Dimensions (W x H x D)	182 mm x 230 mm x 25 mm
Housing material	Aluminum, painted
Indication	LED
Enclosure rating	IP 65

¹⁾ Limit values, reverse-polarity protected, operation in short-circuit protected network: max. 8 A.

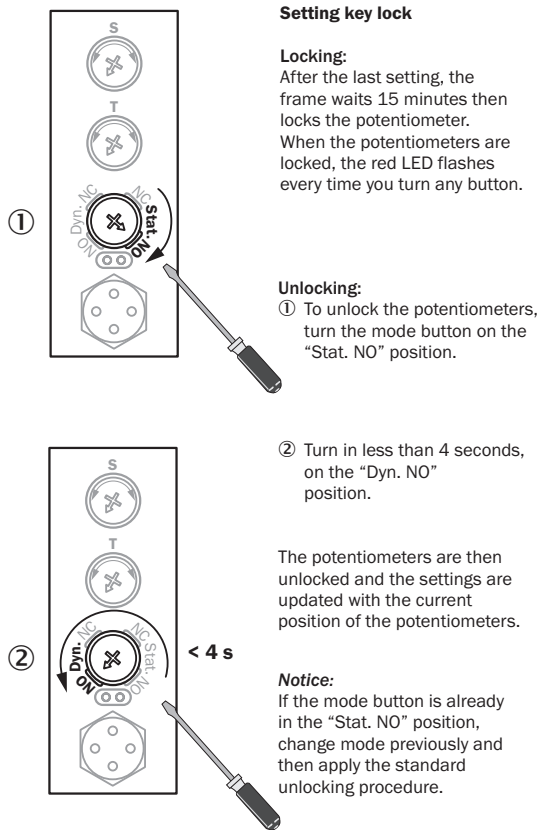
²⁾ Adjustable.

Connection type and diagram

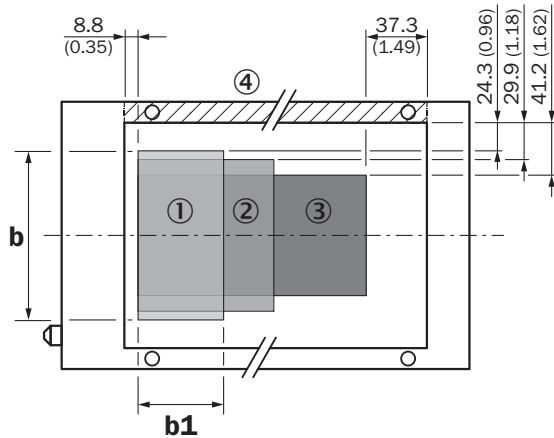
M12, 4-pin male connector



Concept of operation



Diagramm



Dimensions in mm (inch)


	b	b1
① FLG2-xxx120xx	151.4 (5.96)	73.9 (2.91)
② FLG2-xxx180xx	140.2 (5.52)	133.9 (5.27)
③ FLG2-xxx250xx	117.6 (4.63)	203.9 (8.03)

All dimensions in mm (inch)

④ Side is missing in open version

Recommended accessories

Other models and accessories → www.sick.de/FLG

	Brief description	Type	Part no.
Plug connectors and cables			
	Head A: female connector, M12, 4-pin, straight Head B: cable Cable: PVC, unshielded, 5 m	DOL-1204-G05M	6009866

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