



HLG

High-resolution and high-speed detection of the smallest objects

SWITCHING AUTOMATION LIGHT GRIDS

SICK
Sensor Intelligence.



Technical data overview

Operating range	1.5 m
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Product description

The high-resolution HLG light grid from SICK is the ideal solution for all applications where flat objects on a conveying system are to be reliably detected. This is possible due to a consistent resolution of 2 mm over the entire detection zone, a very low switching hysteresis and a very fast response time of only 3 ms. The HLG offers perfect detection solutions, e.g. in fast mail sorting systems, in packaging machines with high throughput, when counting small parts or detecting leading edges in logistics.

At a glance

- 2 mm resolution
- Response time 3 ms
- Detection height 50 mm
- Cable synchronization
- PNP or NPN with Q or Qnot outputs (NO/NC)
- 1 x test, 1 x teach-in input
- M12 male connector, 8-pin

Your benefits

- Reliable object detection throughout the entire sensing range ensures consistent and reliable operation
- High availability thanks to its ability to detect very flat objects
- The quick response time of the HLG allows the customer to use higher conveyor speeds
- Cable synchronization makes for very high availability
- The highest measurement resolution for the detection of very small objects on the conveying belt enables error-free operation in edge detection applications or when counting small objects.

Ordering information

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

- **Operating range:** 1.5 m
- **Beam separation:** 2 mm

Detection height	Switching output	Type	Part no.
50 mm	2 x NPN	HLG2-050E811	1041849
	2 x PNP	HLG2-050F811	1029853

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