

GSE6-CA021K00

FlexChain

SWITCHING AUTOMATION LIGHT GRIDS





Illustration may differ

Ordering information

Туре	Part no.
GSE6-CA021K00	1091605

Only in conjunction with FlexChain host

1091608 | FC1A-AZ2A1A: Standard I/O

1091609 | FC1A-BZ2A1A: Advanced I/O $\,$

1091610 | FC1A-CZ2A1A: RS-485

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







Detailed technical data

Features

Device version	FlexChain Guest
Sensor principle	Sender/receiver Light grid system

Mechanics/electronics

Light course	PinPoint LED, Infrared light
Light source	PHIPOHIL LED, HIHared light
Light spot size (distance)	Ø 375 mm (12 m)
Wave length	850 nm
Supply voltage V _s	12 V, via FlexChain (host)
Adjustment	Cable (Sensitivity) Via FlexChain (host)
Dimensions (W x H x D)	12 mm x 31.5 mm x 21 mm
Connection type	Male connector M8, 4-pin, Cable with female connector, M8, 4-pin, 0.5 m
Housing material	Plastic (ABS)
Enclosure rating	IP65, IP67
Protection class	III
Weight	Approx. 23 g

Performance

Operating range	15 m
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Ambient data

Shock resistance	Single shocks 30 g, 11 ms 6 per axle, continuous shocks 25 g, 6 ms, 1,000 per axis
Vibration resistance	Sinusoidal oscillation 20-2,000 Hz 10 g, 3 h per axle
EMC	EN 61000-6-2, EN 61000-6-3

 $^{^{1)}}$ Sunlight.

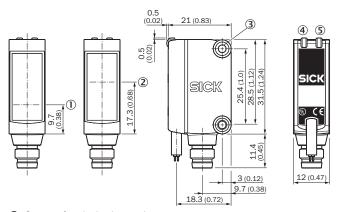
Ambient light immunity	Direct: 40,000 lx ¹⁾
Ambient operating temperature	-25 °C +55 °C
Ambient temperature, storage	-25 °C +70 °C

¹⁾ Sunlight.

Classifications

ECLASS 5.0	27270901
ECLASS 5.1.4	27270901
ECLASS 6.0	27270901
ECLASS 6.2	27270901
ECLASS 7.0	27270901
ECLASS 8.0	27270901
ECLASS 8.1	27270901
ECLASS 9.0	27270901
ECLASS 10.0	27270901
ECLASS 11.0	27270901
ECLASS 12.0	27270901
ETIM 5.0	EC002716
ETIM 6.0	EC002716
ETIM 7.0	EC002716
ETIM 8.0	EC002716
UNSPSC 16.0901	39121528

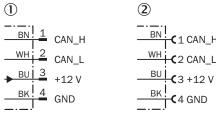
Dimensional drawing (Dimensions in mm (inch))



- ① Center of optical axis, sender
- ② Center of optical axis, receiver
- ③ Threaded mounting hole M3
- 4 LED indicator green
- ⑤ LED indicator yellow

Connection type and diagram

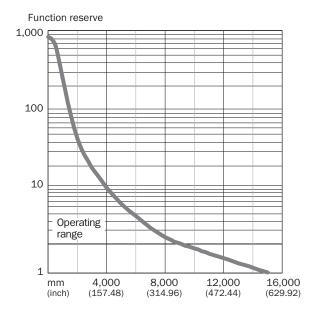




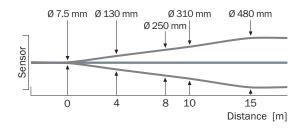
- ① Male connector M8, 4-pin
- ② Cable with female connector, M8, 4-pin

Sensing distance

With GE6-P1111, GE6-N1111, GE6-P1111S63



Light spot size



Sensing range diagram



Recommended accessories

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

	Brief description	Туре	Part no.
Mounting brad	ckets and plates		
	Stainless steel (1.4301)	BEF-WN-G6	2062909

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