

GTB6-CA011K00

FlexChain

SWITCHING AUTOMATION LIGHT GRIDS



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Illustration may differ

Ordering information

Туре	Part no.
GTB6-CA011K00	1091601

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	Photoelectric proximity sensor Light grid system

Mechanics/electronics

Light source	PinPoint LED, visible red light
Light spot size (distance)	Ø 6 mm (100 mm)
Wave length	650 nm
Supply voltage V _s	12 V, via FlexChain (host)
Adjustment	Potentiometer (Sensitivity)
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	0.25 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.

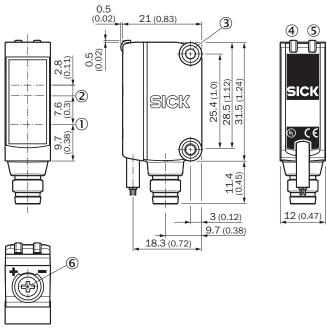
Ambient light immunity	Direct: 9,000 x 1)
Ambient operating temperature	-25 °C +55 °C
Ambient temperature, storage	-25 °C +70 °C

¹⁾ Sunlight.

Classifications

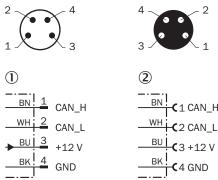
ECLASS 5.0	27270903
ECLASS 5.1.4	27270903
ECLASS 6.0	27270903
ECLASS 6.2	27270903
ECLASS 7.0	27270903
ECLASS 8.0	27270903
ECLASS 8.1	27270903
ECLASS 9.0	27270903
ECLASS 10.0	27270903
ECLASS 11.0	27270903
ECLASS 12.0	27270903
ETIM 5.0	EC001821
ETIM 6.0	EC001821
ETIM 7.0	EC001821
ETIM 8.0	EC001821
UNSPSC 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

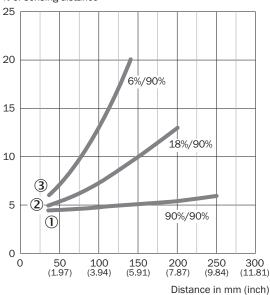


- ① Male connector M8, 4-pin
- ② Cable with female connector, M8, 4-pin

Sensing distance

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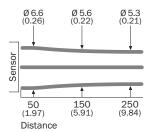
% of sensing distance



- ① Object with 90% remission (based on standard white, DIN 5033)
- ② Sensing range on gray, 18% remission factor
- 3 Sensing range on black, 6% remission factor

Light spot size

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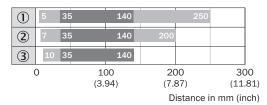


All dimensions in mm (inch)

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Sensing range diagram

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- Sensing range max.
- Sensing range
- ① Object with 90% remission (based on standard white, DIN 5033)
- ② Sensing range on gray, 18% remission factor
- 3 Sensing range on black, 6% remission factor

Recommended accessories

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

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

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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.

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