GTB6-CC011K00

FlexChain

SWITCHING AUTOMATION LIGHT GRIDS

SICK
Sensor Intelligence.

Ordering information

Type	Part no.
GTB6-CC011K00	1098784

Only in conjunction with FlexChain host

1091608 | FC1A-AZ2A1A: Standard I/O

1091609 | FC1A-BZ2A1A: Advanced I/O

1091610 | FC1A-CZ2A1A: RS-485

1091611 | FC1A-DZ2A1A: CANopen

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 receptacle M8, 4-pin, 0.15 m
Housing material	Plastic (ABS)
Enclosure rating	IP65, IP67
Protection class	III
Weight	Approx. 23 g

Performance

Operating range	0.25 m

Ambient data

EMC	EN 61000-6-2, EN 61000-6-3
Ambient operating temperature	−25 °C +55 °C
Ambient storage temperature	−25 °C +70 °C

[1] Sunlight.

|	
Ambient light immunity	Direct: 9,000 lx [1]
Vibration resistance	Sinusoidal oscillation 20-2,000 Hz 10 g, 3 h per axle
Shock load	Single shocks 30 g, 11 ms 6 per axle Continuous shocks 25 g, 6 ms, 1,000 per axis

[1] Sunlight.

Classifications

ECl@ss 5.0	27270910
ECl@ss 5.1.4	27270910
ECl@ss 6.0	27270910
ECl@ss 6.2	27270910
ECl@ss 7.0	27270910
ECl@ss 8.0	27270910
ECl@ss 8.1	27270910
ECl@ss 9.0	27270910
ECl@ss 10.0	27270910
ECl@ss 11.0	27270910
ETIM 5.0	EC002549
ETIM 6.0	EC002549
ETIM 7.0	EC002549
UNSPSC 16.0901	39121528

Dimensional drawing (Dimensions in mm (inch))
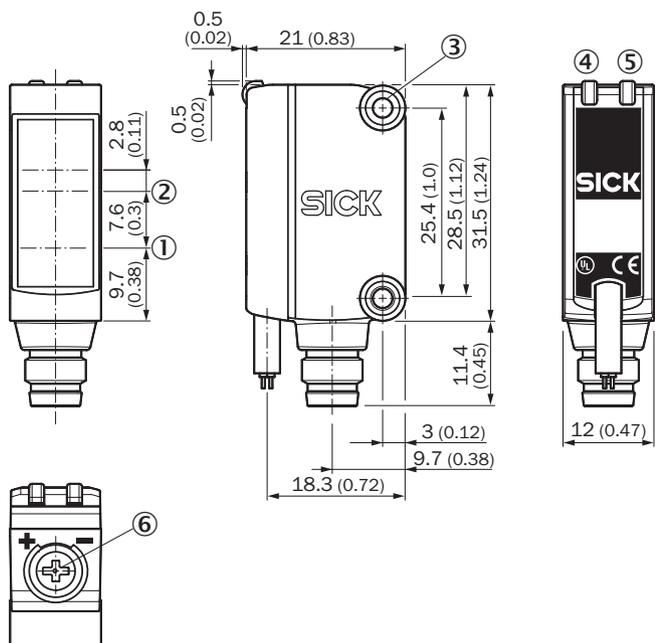
① Center of optical axis, sender
② Center of optical axis, receiver
③ Threaded mounting hole M3
④ LED indicator green
⑤ LED indicator yellow

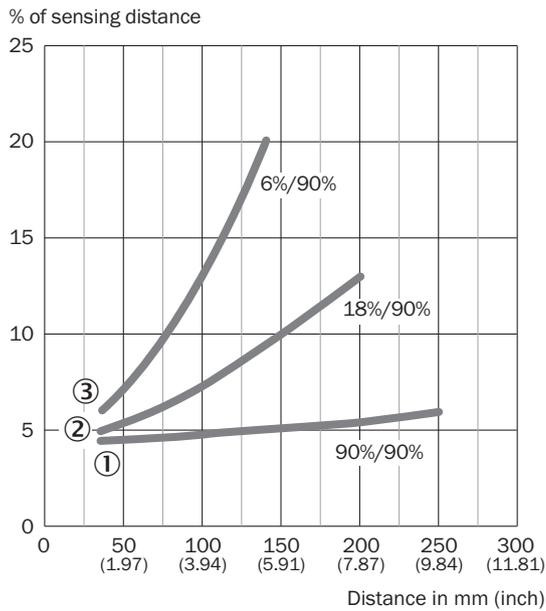## Connection type and diagram

①
BN	1	CAN_H
WH	2	CAN_L
BU	3	+12 V
BK	4	GND

②
BN	1	CAN_H
WH	2	CAN_L
BU	3	+12 V
BK	4	GND
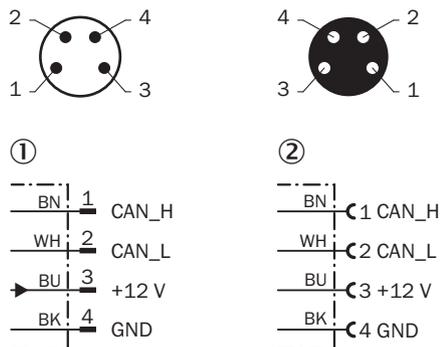
① Male connector M8, 4-pin
② Cable with receptacle M8, 4-pin

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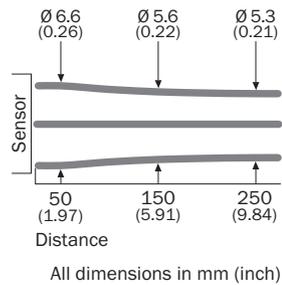
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① Object with 90% remission (based on standard white DIN 5033)
② Sensing range on gray, 18 % remission
③ Sensing range on black, 6% remission

Light spot size

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All dimensions in mm (inch)

Sensing range diagram

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①	5	35	140	250
②	7	35	140	200
③	10	35	140	

0   100 (3.94)   200 (7.87)   300 (11.81)

Distance in mm (inch)

■ Sensing range max.   ■ Sensing range

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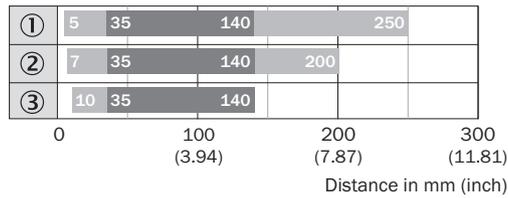② Sensing range on gray, 18 % remission
③ Sensing range on black, 6% remission

Recommended accessories

Mounting systems

Mounting brackets and plates

Mounting brackets

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

Brief description	Type	Part no.
Stainless steel (1.4301)	BEF-WN-G6	2062909

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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."

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