

# GTB6-CB011K00 FlexChain

**SWITCHING AUTOMATION LIGHT GRIDS** 



## GTB6-CB011K00 | FlexChain

SWITCHING AUTOMATION LIGHT GRIDS



#### Ordering information

Туре	Part no.
GTB6-CB011K00	1092299
Only in conjunction with FlexChain host <a href="https://www.sick.com/1091608">1091608</a>   FC1A-A: <a href="https://www.sick.com/1091609">1091609</a>   FC1A-B: <a href="https://www.sick.com/1091610">1091610</a>   FC1A-C: <a href="https://www.sick.com/1091611">1091611</a>   FC1A-C: Other models and accessories → www.sick.com/FlexChain	22A1A: Advanced I/O 22A1A: RS-485

## Illustration may differ



#### Detailed technical data

#### Features

Device version FlexChain Guest   Sensor principle Photoelectric proximity sensor Light grid system
Light grid system
Acabanias (algotronics
lechanics/electronics
Light source     PinPoint LED, visible red light
Light spot size (distance)Ø 6 mm (100 mm)
Wave length 650 nm
Supply voltage V <sub>s</sub> 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, 1.5 m
Housing material Plastic (ABS)
Enclosure rating IP65, IP67
Protection class III
Weight Approx. 23 g
Performance
Operating range 0.25 m
mbient data
Shock resistance Single shocks 30 g, 11 ms 6 per axle, continuous shocks 25 g, 6 ms, 1,000 per axis

Sinusoidal oscillation 20-2,000 Hz 10 g, 3 h per axle

EN 61000-6-2, EN 61000-6-3

Vibration resistance
EMC

<sup>1)</sup> Sunlight.

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Ambient light immunity	Direct: 9,000 lx <sup>1)</sup>
Ambient operating temperature	-25 °C +55 °C
Ambient temperature, storage	-25 °C +70 °C

<sup>1)</sup> Sunlight.

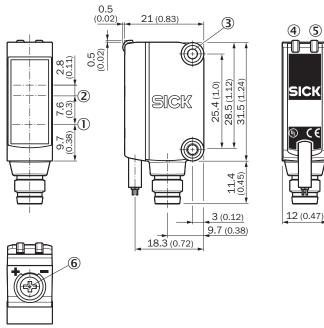
### Classifications

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

## GTB6-CB011K00 | FlexChain

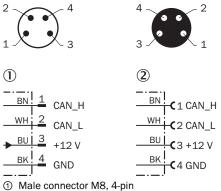
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#### Dimensional drawing (Dimensions in mm (inch))



- 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

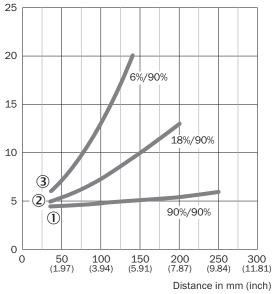


- ② Cable with female connector, M8, 4-pin

#### Sensing distance

#### GTB6

% of sensing distance



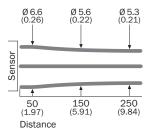
① Object with 90% remission (based on standard white, DIN 5033)

② Sensing range on gray, 18% remission factor

③ Sensing range on black, 6% remission factor

#### Light spot size

#### GTB6



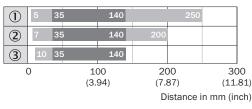
All dimensions in mm (inch)

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#### Sensing range diagram

#### GTB6



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 brackets and plates					
	Stainless steel (1.4301)	BEF-WN-G6	2062909		

# 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:

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Online data sheet

