



SICK Sensor Intelligence.

SAFETY CONTROLLERS

FX0-GCC100200 | Flexi Soft

SAFETY CONTROLLERS



Ordering information

Fieldbus, industrial network	Туре	Part no.
CC-Link	FX0-GCC100200	1085195

Flexi Soft-compatible product from Mitsubishi Electric

Other models and accessories -> www.sick.com/Flexi_Soft



Detailed technical data

ModuleGatewayFieldbus, Industrial networkCC-LinkConfiguration methodVia software (Flexi Soft Designer)InterfacesFieldbus, Industrial networkCC-LinkData transmission rate156 kbit/s S2,5 kbit/s 2,5 kbit/s 3,1 kl ±1,0 kbit/s 4,1 kbit/sProtection class Via FLEXBUS+.III (EN 61140) 1 kl ±1,2 kbit/s 1 kl ±1,2 kbit/s 1 kbit/s <th>Features</th> <th></th>	Features	
Configuration method Via software (Flexi Soft Designer) Interfaces CcLink Fieldbus, industrial network CCLink Data transmission rate C156 kbit/s 625 kbit/s 2.5 Mbit/s Connection type Plug-in spring terminals Electrical data III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption s 1.4 W ¹⁰ ¹¹ Via FLEXBUS+. Schmix 96.5 mm x 120.6 mm Meight 120 g (± 10 %) Ambient data IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Arise trained tations Storage temperature Citassifications Storage temperature	Module	Gateway
Interfaces Fieldbus, industrial network Cc-Link Data transmission rate 156 kbit/s 625 kbit/s 2.5 Mbit/s Connection type Plug-in spring terminals Electrical data III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption ≤ 1.4 W ⁻¹) ¹ Via FLEXBUS+. Mechanical data Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data IP20 (EN 60529) Ambient operating temperature -25 °C +70 °C Arin humidity ≤ 95 %, Non-condensing Classifications Solonal State	Fieldbus, industrial network	CC-Link
Fieldbus, industrial network CC-Link Data transmission rate 156 kbit/s 625 kbit/s 2.5 Mbit/s Connection type Plug-in spring terminals Electrical data III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption ≤ 1.4 W ¹) ¹ Via FLEXBUS+. Status y Mechanical data 2.5 mm x 96.5 mm x 120.6 mm Viag tub y 120 g (± 10 %) Ambient data 120 g (± 10 %) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity > 95 %, Non-condensing	Configuration method	Via software (Flexi Soft Designer)
Data transmission rate 156 kbit/s 525 kbit/s 2.5 Mbit/s Connection type Plug-in spring terminals Electrical data Plug-in spring terminals Electrical data III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption ≤ 1.4 W ¹) ¹) Via FLEXBUS+. Via FLEXBUS+ Mechanical data 22.5 mm x 96.5 mm x 120.6 mm Ving to g ± 10 %) 120 g ± 10 %) Ambient data P20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing Classifications Storage temperature	Interfaces	
625 kbit/s 2.5 kbit/s 2.5 kbit/s 2.5 kbit/s Connection type Plug-in spring terminals Electrical data III (EN 61140) Frotection class III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption \$ 1.4 W ¹) ¹ Via FLEXBUS+. III (EN 6152 mm x 96.5 mm x 120.6 mm Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data I20 g (± 10 %) Ambient data IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing Classifications Image: Storage temperature	Fieldbus, industrial network	CC-Link
Electrical data Protection class III (EN 61140) Voltage supply Via FLEXBUS+ Internal power consumption \$ 1.4 W ¹) ') via FLEXBUS+. \$ 1.4 W ¹) Potechanical data 22.5 mm x 96.5 mm x 120.6 mm Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data 120 g (± 10 %) Functosure rating 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing Classifications	Data transmission rate	625 kbit/s
Protection classIII (EN 61140)Voltage supplyVia FLEXBUS+Internal power consumption< 1.4 W ¹⁾ 1 ¹ Via FLEXBUS+.Mechanical data22.5 mm x 96.5 mm x 120.6 mmDimensions (W x H x D)22.5 mm x 96.5 mm x 120.6 mmWeight120 g (± 10 %)Ambient dataEnclosure ratingIP20 (EN 60529)Ambient operating temperature0 °C +55 °CStorage temperature-25 °C +70 °CAir humidity< 95 %, Non-condensing	Connection type	Plug-in spring terminals
Voltage supply Via FLEXBUS+ Internal power consumption ≤ 1.4 W ¹⁾ ¹⁾ via FLEXBUS+. Mechanical data 22.5 mm x 96.5 mm x 120.6 mm Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data 120 g (± 10 %) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing Classifications	Electrical data	
Internal power consumption ≤ 1.4 W ¹ ¹ Via FLEXBUS+. Mechanical data Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data I20 g (± 10 %) Enclosure rating IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing	Protection class	III (EN 61140)
1) via FLEXBUS+. Mechanical data Dimensions (W x H x D) 22.5 mm x 96.5 mm x 120.6 mm Weight 120 g (± 10 %) Ambient data 120 g (± 10 %) Ambient data IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing	Voltage supply	Via FLEXBUS+
Mechanical dataDimensions (W x H x D)22.5 mm x 96.5 mm x 120.6 mmWeight120 g (± 10 %)Ambient data120 g (± 10 %)Enclosure ratingIP20 (EN 60529)Ambient operating temperature0 °C +55 °CStorage temperature-25 °C +70 °CAir humidity< 95 %, Non-condensingClassifications	Internal power consumption	\leq 1.4 W ¹⁾
Dimensions (W x H x D)22.5 mm x 96.5 mm x 120.6 mmWeight120 g (± 10 %)Ambient dataIP20 (EN 60529)Ambient operating temperature0 °C +55 °CStorage temperature-25 °C +70 °CAir humidity≤ 95 %, Non-condensingClassifications	¹⁾ Via FLEXBUS+.	
Weight 120 g (± 10 %) Ambient data IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing	Mechanical data	
Ambient data Enclosure rating IP20 (EN 60529) Ambient operating temperature 0 ° C +55 ° C Storage temperature -25 ° C +70 ° C Air humidity ≤ 95 %, Non-condensing Classifications	Dimensions (W x H x D)	22.5 mm x 96.5 mm x 120.6 mm
Enclosure rating IP20 (EN 60529) Ambient operating temperature 0 °C +55 °C Storage temperature -25 °C +70 °C Air humidity ≤ 95 %, Non-condensing	Weight	120 g (± 10 %)
Ambient operating temperature 0 °C +55 °C Storage temperature -25 °C +70 °C Air humidity ≤ 95 %, Non-condensing	Ambient data	
Storage temperature -25 °C +70 °C Air humidity ≤ 95 %, Non-condensing Classifications	Enclosure rating	IP20 (EN 60529)
Air humidity ≤ 95 %, Non-condensing Classifications	Ambient operating temperature	0 °C +55 °C
Classifications	Storage temperature	-25 °C +70 °C
	Air humidity	≤ 95 %, Non-condensing
ECLASS 5.0 27243001	Classifications	
	ECLASS 5.0	27243001

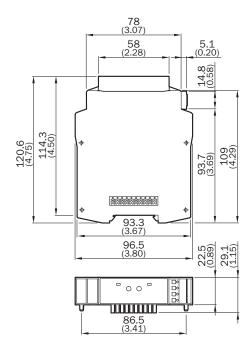
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ECLASS 5.1.4	27243101
ECLASS 6.0	27243101
ECLASS 6.2	27243101
ECLASS 7.0	27243101
ECLASS 8.0	27243101
ECLASS 8.1	27243101
ECLASS 9.0	27243101
ECLASS 10.0	27243101
ECLASS 11.0	27243101
ECLASS 12.0	27243101
ETIM 5.0	EC001449
ETIM 6.0	EC001449
ETIM 7.0	EC001449
ETIM 8.0	EC001449
UNSPSC 16.0901	32151705

Dimensional drawing (Dimensions in mm (inch))

FXO-GCC



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Recommended accessories

Other models and accessories -> www.sick.com/Flexi_Soft

	Brief description	Туре	Part no.
Others			
	 Sub product family: SIM1000 FX Product category: Programmable devices Supported products: 2D and 3D LiDAR sensors, incremental and absolute encoders, Image-based code readers, Fixed mount barcode scanners, RFID read/write device, displacement measurement sensors, Photoelectric sensors, Flexi Soft main module Processor: Dual-core ARM Cortex-A9 CPU with NEON accelerator Toolkit: SICK algorithm API Further functions: FPGA for I/O handling Connections: Terminal block 1-4, Ethernet, FLEXBUS+ Enclosure rating: IP20 	SIM1000-0P0B110	1097817
Safety switc	hing amplifier		
	 Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart interlock: no External device monitoring (EDM): Via path Outputs: 2 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe) Housing width: 18 mm 	RLY3-OSSD100	1085343
	 Applications: Output expansion module for OSSDs Compatible sensor types: Safety sensors with OSSDs Connection type: Front connector with spring terminals Restart interlock: no External device monitoring (EDM): Via path Outputs: 4 enabling current paths (safe), 1 feedback current path (for use as external device monitoring, not safe), 1 signaling current path (not safe) Housing width: 28 mm 	RLY3-OSSD400	1099971

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



Online data sheet

