



FLX0-GPNT100

Flexi Gateway

SAFETY CONTROLLERS

SICK
Sensor Intelligence.



Ordering information

Type	part no.
FLX0-GPNT100	1085356

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



Detailed technical data

Features

Module	Gateway
Description	The gateway module enables a safety controller to send data to a network for control and diagnostic purposes, and to receive data from the network.
Security Level	SL-C 1 (IEC 62443-4-2)
Fieldbus, industrial network	PROFINET TCP/IP sockets
Configuration software	Safety Designer
Configuration interface	Ethernet TCP/IP TFT display
Items supplied	Gateway Operating instructions for download

Functions

Integration into a PROFINET network as a field device	✓
Communication of multiple applications with the safety controller via TCP/IP sockets	✓
Configuration of the safety controller via TCP/IP	✓

Interfaces

Fieldbus, industrial network	PROFINET TCP/IP sockets
Connection type	2 × RJ45 socket
Note	The module is equipped with an integrated switch. The switch enables the module to be connected to another Ethernet component (e.g., to a computer) without having to interrupt the connection of the fieldbus network.
Display elements	TFT display

Electronics

Protection class	III (EN 61140)
Interference resistance	EN 61000-6-2
Interference emission	EN 61000-6-4
Voltage supply	The voltage supply of the extension modules is maintained via the backplane bus
Power loss	≤ 3.3 W
Current consumption at nominal voltage	135 mA

Mechanics

Dimensions (W x H x D)	18 mm x 124.7 mm x 85.5 mm
Contamination rating	2 (IEC 61010-1)
Control device type	Open device (IEC 61010-2-201)
Weight	108 g (± 5 %)
Mounting	Mounting on a 35 mm × 7.5 mm mounting rail in accordance with IEC 60715

Ambient data

Enclosure rating	IP20 (EN 60529)
Ambient operating temperature	-25 °C ... +55 °C ¹⁾
Storage temperature	-25 °C ... +70 °C
Air humidity	≤ 95 %, Non-condensing
Vibration resistance	1 g, 5 Hz ... 200 Hz (EN 60068-2-6)
Shock resistance	15 g, 11 ms (EN 60068-2-27)

¹⁾ At altitudes up to 2,000 m above sea level For higher areas of application up to max. 4,000 m above sea level, see the operating instructions.

Certificates

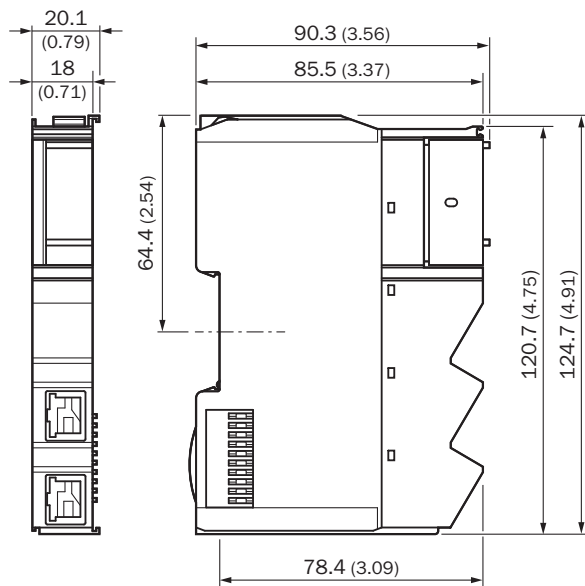
EU declaration of conformity	✓
UK declaration of conformity	✓
ACMA declaration of conformity	✓
China RoHS	✓
cULus certificate	✓
S Mark certificate	✓
Information according to Art. 3 of Data Act (Regulation EU 2023/2854)	✓
Cybersecurity certificate	✓

Classifications

ECLASS 5.0	27243001
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)

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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.

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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