

# FL SEC SGW GT/GT - Router



2892009

<https://www.phoenixcontact.com/us/products/2892009>

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Router, 1:1 NAT, preconfigured firewall



## Commercial data

Item number	2892009
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN14
Product key	DNN311
Catalog page	Page 176 (AX-2009)
GTIN	4046356283366
Weight per piece (including packing)	743.2 g
Weight per piece (excluding packing)	660 g
Customs tariff number	85389091
Country of origin	DE

## Technical data

### Dimensions

Width	128 mm
Height	110 mm
Depth	69 mm

### Material specifications

Color	gray aluminum
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### Interfaces

#### Ethernet

Connection method	RJ45
Transmission speed	10/100/1000 Mbps
Transmission physics	Copper
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
No. of channels	1

#### Serial (RS-232)

Connection method	RS-232-C, 6-pos. MINI-DIN socket (PS/2)
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#### Fiber optic interface

Connection method	SFP
Transmission speed	1000 Mbps (full duplex)
Transmission physics	Depending on the SFP module
Transmission length	up to 80 km (Depending on the fiber/SFP module used)
No. of channels	1

### System properties

#### Functionality

Basic functions	Router with intelligent Firewall
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#### System requirements

Supported browsers	HTTPS support required
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### Product properties

Product type	Security router for the DIN rail
Type	Stand-Alone

#### Security functions

Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Filtering	MAC and IP addresses, ports, protocols
Firewall rules	Configurable stateful inspection firewall (Preconfigured)
Basic functions	Router with intelligent Firewall

Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Network Time Protocol (NTP) client	Client
Routing	NAT, 1:1-NAT, Port Forwarding

## Electrical properties

Power consumption	6.5 W
Local diagnostics	US1, US2 Supply voltage US1, US2 Green LED One LED per port Link active Green LED
Maximum power dissipation for nominal condition	6.48 W
Test section	500 V DC 1 min

## Supply

Supply voltage	24 V DC
Supply voltage range	18 V DC ... 32 V DC
Power supply connection	Via COMBICON, max. conductor cross section 2.5 mm <sup>2</sup>
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Max. current consumption	270 mA

## Function

Signal contact control voltage	24 V DC (typical)
Signal contact control current	270 mA (maximum)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	DIN EN 60068-2-27
Vibration (operation)	in accordance with IEC 60068-2-6: 5g, 10 Hz ... 150 Hz
Air pressure (operation)	86 hPa ... 108 kPa (1500 m above sea level)
Air pressure (storage/transport)	66 hPa ... 108 kPa (3500 m above sea level)

## Standards and regulations

Free from substances that could impair the application of coating	In acc. with VW specification
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## Mounting

Mounting type	DIN rail mounting
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2004/108/EC
Conformance with EMC directives	IEC 61000-6-2 IEC 61000-4-2 (ESD) 6 kV contact discharge, 8 kV air discharge IEC 61000-6-2 IEC 61000-4-3 (immunity to radiated interference) 10 V/m (80 MHz ... 2000 MHz)

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	IEC 61000-6-2 IEC 61000-4-4 (burst) 2 kV power line, 1kV data line
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) 3 V (10 kHz ... 150 kHz), 10 V (150 kHz ... 80 MHz)
Noise immunity	EN 61000-6-2:2005
Noise emission	EN 61000-6-4

## Signaling

Status display	LEDs: US1, US2, Fail, ACT, SPD, FD, Link, Mode, FW
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## Environmental product compliance

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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