

# FL MGUARD 4102 PCIE - Router



1357842

<https://www.phoenixcontact.com/us/products/1357842>

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## Your advantages

- Central management tool
- Maximum security
- Maximum performance
- Integration of IT and OT security
- mGuard security technology

## Commercial data

Item number	1357842
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN30
Product key	DNN312
GTIN	4063151686802
Weight per piece (including packing)	153.4 g
Weight per piece (excluding packing)	90.68 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Notes

#### Note on application

Note on application	Only for industrial use
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### Material specifications

Color (Housing)	Steel/stainless steel color
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### Interfaces

#### Ethernet

Connection method	RJ45
Transmission speed	10/100/1000 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	WAN link, WAN activity, LAN link, LAN activity
No. of channels	2 (RJ45 ports)

### System properties

#### Functionality

Basic functions	Router with intelligent firewall and VPN for 250 tunnels
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#### System requirements

Supported browsers	HTTPS support required
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### Product properties

Product type	Security routers without DIN rail mounting
Product family	Security-Router
Special properties	NAT
	VPN
	Product certified in accordance with IEC 62443-4-2
Format	PCIe

#### Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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### Electrical properties

Power consumption	max. 2.88 W
Local diagnostics	One LED per port Activity LED red
	One LED per port Link active Green LED

#### Supply

Power supply connection	via PCIe bus
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

## Mounting

Mounting type	Plug-in mounting (PCI slot)
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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 ... 6000 MHz)
	IEC 61000-6-2 IEC 61000-4-4 (burst) 2 kV power line, 2 kV data line
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 1 kV (line/earth), 0.5 kV (line/line), 1 kV data line
	IEC 61000-6-2 IEC 61000-4-6 (immunity to conducted interference) 10 V (150 kHz ... 80 MHz)
Noise immunity	EN 61000-6-2:2005

### Noise emission

Standards/regulations	EN 61000-6-4
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## Signaling

Status display	Link/activity per port
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1357842>



**cUL Recognized**  
Approval ID: E238705



**UL Recognized**  
Approval ID: E238705

**Cybersecurity Certificate**  
Approval ID: 968 CSP 1029.00 25



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## Classifications

### ECLASS

ECLASS-13.0	19170406
ECLASS-15.0	19170406

### ETIM

ETIM 10.0	EC001478
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	Diboron trioxide(CAS: 1303-86-2)
	4,4'-isopropylidenediphenol(CAS: 80-05-7)

### EF3.1 Climate Change

CO2e kg	13.339 kg CO2e
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