

# FL MGUARD RS4000 TX/TX VPN-M - Router



2702465

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Security appliance for maritime applications, 10/100 Mbps, NAT, firewall, VPN, functionally extendable with licenses

The figure shows a version of the product

## Your advantages

- Central management tool
- Maximum performance
- Maximum security

## Commercial data

Item number	2702465
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN29
Product key	DNN331
GTIN	4055626230788
Weight per piece (including packing)	883.2 g
Weight per piece (excluding packing)	725 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Dimensions

Width	45 mm
Height	130 mm
Depth	120.6 mm

### Notes

#### Note on application

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

Color	silver
Housing material	Metal

### Interfaces

#### Ethernet

Connection method	RJ45
Transmission speed	10/100 Mbps
Transmission physics	Ethernet in RJ45 twisted pair
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
No. of channels	2 (RJ45 ports)

#### Signal contact

Connection method	Plug-in/screw connection via COMBICON
Additional text	not electrically isolated

#### VPN - release button

Connection method	24 V DC/250 mA can be connected as an option
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### System properties

#### Functionality

Basic functions	Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
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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

## Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)
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## Security functions

1:1 Network Address Translation (NAT) in the VPN	supported
Number of VPN tunnels	10 (up to 250 tunnels with additional license as an option)
Authentication	X.509v3 certificates with RSA or PSK
Data integrity	MD5, SHA-1, SHA 256, SHA-512
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Filtering	MAC and IP addresses, ports, protocols
Firewall data throughput	max. 124 Mbps (Router mode, default firewall rules, bidirectional throughput)
	max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Configurable stateful inspection firewall with full scope of functions
Basic functions	Router with intelligent firewall and VPN for 10 tunnels (up to 250 supported with optional additional license), CIFS Integrity Monitoring (as an option), metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps
Internet Protocol Security (IPsec) mode	ESP tunnel / ESP transport
Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Network Time Protocol (NTP) client	Client
Remote Syslog Logging	on external server
Routing	Standard routing, NAT, 1:1-NAT, port forwarding
Protection against	IP spoofing, DoS and Syn Flood Protection
Encryption methods	DES, 3DES, AES-128, -192, -256
Virtual private network (VPN) throughput	max. 40 Mbps (Router mode, VPN bidirectional throughput)
	max. 27 Mbps (Stealth mode, VPN bidirectional throughput)

## Electrical properties

Maximum power dissipation for nominal condition	2.4 W
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## Supply

Supply voltage (DC)	24 V DC (redundant)
Supply voltage range	11 V DC ... 36 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	0.24 A
Typical current consumption	100 mA (at U <sub>S</sub> = 24 V DC)

## Function

Signal contact control voltage	24 V DC (typical)
Signal contact control current	250 mA (short-circuit-proof)

## Environmental and real-life conditions

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## Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-40 °C ... 70 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

## Approvals

### Conformity/Approvals

Conformance	CE-compliant
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## Mounting

Mounting type	DIN rail mounting
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## EMC data

Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
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## Signaling

Status display	LEDs:P1, P2, Fault, State, Error, LAN, WAN
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2702465>



**LR**

Approval ID: LR23398855TA



**BV**

Approval ID: 42674/B1 BV

**BSH**

Approval ID: 927

**DNV**

Approval ID: TAA000009T



**cULus Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E196811



**UL Listed**

Approval ID: E196811

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## Classifications

### ECLASS

ECLASS-13.0

19170406

### ETIM

ETIM 9.0

EC001478

### UNSPSC

UNSPSC 21.0

43222600

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 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.)	Lead(CAS: 7439-92-1)
SCIP	5643fee4-ca7f-47ef-b3bb-5a7c2d6fdab6

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