

# FL MGUARD RS VPN ANALOG - Router



2989718

<https://www.phoenixcontact.com/us/products/2989718>

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Router with intelligent Firewall, data throughput up to 99 Mbps (Wire Speed), Stateful Inspection Firewall for optimum safety and extremely simple configuration, VPN as per IPsec, hardware encryption with up to 70 Mbps, integrated Analog modem

## Your advantages

- Central management tool
- Maximum security
- Maximum performance

## Commercial data

Item number	2989718
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DN31
Product key	DNN333
GTIN	4046356298964
Weight per piece (including packing)	323.8 g
Weight per piece (excluding packing)	323.8 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Dimensions

Width	45 mm
Height	99 mm
Depth	112 mm

### Material specifications

Color	green
Housing material	PA 6.6

### 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

#### Potential-free signaling contact

Connection method	Plug-in/screw connection via COMBICON
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#### VPN - release button

Connection method	Connectable and optional LED
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## System properties

#### Functionality

Basic functions	Router with intelligent Firewall, VPN and integrated analog modem
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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 with license possible)
Authentication	X.509v3 certificates with RSA or PSK

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Data integrity	MD5, SHA-1
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Filtering	MAC and IP addresses, ports, protocols
Firewall data throughput	max. 210 Mbps (Router mode, default firewall rules, bidirectional throughput) max. 149 Mbps (Stealth mode, default firewall rules, bidirectional throughput)
Firewall rules	Configurable stateful inspection firewall
Basic functions	Router with intelligent Firewall, VPN and integrated analog modem
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. 85 Mbps (Router mode, VPN bidirectional throughput) max. 58 Mbps (Stealth mode, VPN bidirectional throughput)

## Electrical properties

Local diagnostics	P1, P2 Supply voltage US1, US2 Green LED One LED per port Link active Green LED
Maximum power dissipation for nominal condition	4.08 W

## Supply

Supply voltage	24 V DC
Supply voltage range	9 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)
Typical current consumption	170 mA

## Function

Signal contact control voltage	24 V DC (typical)
Signal contact control current	170 mA (typical)

## Connection data

Connection method	RJ45, shielded
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Permissible humidity (operation)	10 % ... 95 % (non-condensing)

## Mounting

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Mounting type	DIN rail mounting
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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 ... 2000 MHz)
	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

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

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