

FL MGUARD RS VPN - Router



2989611

<https://www.phoenixcontact.com/us/products/2989611>

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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

Your advantages

- Central management tool
- Maximum performance
- Maximum security

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2989611 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | NULL |
| Product key | DNN333 |
| GTIN | 4046356298957 |
| Weight per piece (including packing) | 329.1 g |
| Weight per piece (excluding packing) | 250 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 |
|-------------------|---------------------------------------|

VPN - release button

| | |
|-------------------|------------------------------|
| Connection method | Connectable and optional LED |
|-------------------|------------------------------|

System properties

Functionality

| | |
|-----------------|--|
| Basic functions | Router with intelligent Firewall and VPN |
|-----------------|--|

System requirements

| | |
|--------------------|------------------------|
| Supported browsers | HTTPS support required |
|--------------------|------------------------|

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) |
|------------------|---------------------------------------|

Security functions

| | |
|--|--------------------------------------|
| 1:1 Network Address Translation (NAT) in the VPN | supported |
| Number of VPN tunnels | 10 (10) |
| Authentication | X.509v3 certificates with RSA or PSK |
| Data integrity | MD5, SHA-1 |

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|--|--|
| 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 and VPN |
| 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

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|---|--|
| 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 ² |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Typical current consumption | 170 mA |

Function

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

Connection data

| | |
|-------------------|----------------|
| Connection method | RJ45, shielded |
|-------------------|----------------|

Environmental and real-life conditions

Ambient conditions

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|----------------------------------|--------------------------------|
| 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 |
|---------------|-------------------|

EMC data

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|---------------------------------|--|
| 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 |
|-----------------------|--------------|

Signaling

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

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Environmental product compliance

China RoHS

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| Environment friendly use period (EFUP) | EFUP-25 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. |
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EU REACH SVHC

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

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Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com