

FL MGUARD 4305 - Router



1357875

<https://www.phoenixcontact.com/gb/products/1357875>

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Security appliance, 10/100/1000 Mbps, NAT, VPN, firewall

Product description

Security appliance

Your advantages

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

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1357875 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DNN311 |
| Product key | DNN311 |
| GTIN | 4063151684099 |
| Weight per piece (including packing) | 435.2 g |
| Weight per piece (excluding packing) | 350 g |
| Country of origin | DE |

Technical data

Dimensions

| | |
|--------|----------|
| Width | 45 mm |
| Height | 130 mm |
| Depth | 133.8 mm |

Material specifications

| | |
|------------------|---------|
| Color | gray |
| Housing material | Plastic |

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 | Supply voltage, data transmission, error, link, activity |
| No. of channels | 5 (RJ45 ports (WAN, 3x LAN, DMZ (XF5))) |

System properties

System requirements

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

Product properties

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

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 | 250 |
| 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. 650 Mbps (Router mode, default firewall rules, unidirectional throughput) |
| | max. 650 Mbps (Stealth mode, default firewall rules, unidirectional throughput) |
| Firewall rules | Configurable stateful inspection firewall with full scope of functions |

| | |
|---|---|
| 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/server |
| 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 |

Electrical properties

| | |
|---|---|
| Local diagnostics | US1, US2 Supply voltage US1, US2 Green LED One LED per port Link active / Speed Green / green/yellow LED |
| Maximum power dissipation for nominal condition | typ. 2.88 W |

Supply

| | |
|-----------------------------|--|
| Supply voltage (DC) | 24 V DC (redundant) |
| Supply voltage range | 12 V DC ... 36 V DC |
| Power supply connection | via COMBICON, max. conductor cross section 1.5 mm ² |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Max. current consumption | 1 A |
| Typical current consumption | 120 mA (at U _S = 24 V DC) |

Function

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

Environmental and real-life conditions

Ambient conditions

| | |
|---|-------------------------------|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -40 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |

Standards and regulations

| | |
|---|-----|
| Free from substances that could impair the application of coating | Yes |
|---|-----|

Approvals

Conformity/Approvals

| | |
|-------------|--------------|
| Conformance | CE-compliant |
|-------------|--------------|

Mounting

| | |
|---------------|-------------------|
| Mounting type | DIN rail |
| Mounting type | DIN rail mounting |

EMC data

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| | |
|---------------------------------|---|
| 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) |
| | 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 |
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |
| Noise emission | EN 61000-6-4 |

Signaling

| | |
|----------------|--|
| Status display | LEDs: US1, US2, FAIL, Link, and Activity |
|----------------|--|

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Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1357875>



cUL Listed

Approval ID: E238705



cULus Listed

Approval ID: E366272

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Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-11.0 | 19170406 |
| ECLASS-12.0 | 19170406 |
| ECLASS-13.0 | 19170406 |

ETIM

| | |
|----------|----------|
| ETIM 8.0 | EC001478 |
|----------|----------|

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Accessories

FL MGuard DM UNLIMITED - Software

2981974

<https://www.phoenixcontact.com/gb/products/2981974>



Central device management software for MGuard devices for any number of devices in the field. For installation on a PC. No additional licenses required. Download trial version for up to 10 devices.

MGuard Secure VPN Client LIC - License

2702579

<https://www.phoenixcontact.com/gb/products/2702579>



License for mGuard Secure VPN Client v11.x

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SD FLASH 2GB - Program / configuration memory

2988162

<https://www.phoenixcontact.com/gb/products/2988162>



Program and configuration memory, for extending the internal flash memory, pluggable, 2 GB.

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