

FL MGUARD 4305 - Router



1357875

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

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



The figure shows the standard item

Security-Router series, 5 RJ45 ports (WAN, 3x LAN, DMZ (XF5)) 10/100/1000 Mbps, degree of protection: IP20, Ambient temperature (operation): -40 °C ... 60 °C, Supply voltage range: 12 V DC ... 36 V DC, NAT, VPN, Development process certified in accordance with IEC 62443-4-1, Product certified in accordance with IEC 62443-4-2, Configurable stateful inspection firewall with full scope of functions, safe isolation for PROFI-safe in accordance with IEC 61784-3-3, user firewall, conditional firewall, rule sets

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) | 405.05 g |
| Weight per piece (excluding packing) | 332 g |
| Country of origin | DE |

Technical data

Dimensions

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

Notes

Note on application

| | |
|---------------------|-------------------------|
| Note on application | Only for industrial use |
|---------------------|-------------------------|

Material specifications

| | |
|------------------|-----------------------|
| Color (Housing) | light gray (RAL 7035) |
| 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))) |

2x digital output, 2x digital input

| | |
|-------------------|---------------------------------|
| Connection method | Push-in-/Spring-cage connection |
| Additional text | not electrically isolated |

System properties

Functionality

| | |
|-----------------|---|
| Basic functions | Security appliance with intelligent firewall and VPN for 250 tunnels, plastic housing, slot for SD memory card, extended temperature range, Gigabit wire speed, 3-port managed switch, DMZ port (XF5) |
|-----------------|---|

System requirements

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

Product properties

| | |
|--------------------|--|
| Product family | Security-Router |
| Type | Stand-alone |
| Special properties | NAT |
| | VPN |
| | Development process certified in accordance with IEC 62443-4-1 |

| | |
|--|---|
| | Product certified in accordance with IEC 62443-4-2 |
| Insulation characteristics | |
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
| Overvoltage category | II (IEC 61010-1) |
| 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. 940 Mbps (Router mode, default firewall rules, unidirectional throughput) max. 850 Mbps (Stealth mode, default firewall rules, unidirectional throughput) |
| Firewall rules | Configurable stateful inspection firewall with full scope of functions, safe isolation for PROFIsafe in accordance with IEC 61784-3-3, user firewall, conditional firewall, rule sets |
| Basic functions | Security appliance with intelligent firewall and VPN for 250 tunnels, plastic housing, slot for SD memory card, extended temperature range, Gigabit wire speed, 3-port managed switch, DMZ port (XF5) |
| 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 |
| Virtual private network (VPN) throughput | max. 250 Mbps (Router mode, VPN unidirectional throughput) |

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

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

| | |
|--------------------------------|------------------------------|
| Signal contact control current | 250 mA (short-circuit-proof) |
|--------------------------------|------------------------------|

Connection data

| | |
|-----------------------------------|---|
| Connection method | RJ45 jack, shielded |
| Connection method | Push-in spring connection |
| Conductor cross-section, rigid | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section, flexible | 0.2 mm ² ... 1.5 mm ² |
| Conductor cross-section AWG | 24 ... 16 |

Environmental and real-life conditions

Ambient conditions

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

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

Signaling

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

FL MGUARD 4305 - Router



1357875

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

Approvals

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



cUL Listed

Approval ID: E238705

Cybersecurity Certificate

Approval ID: 968 CSP 1029.00 25

BSH

Approval ID: BSH 1122

DNV

Approval ID: TAA0000382



cULus Listed

Approval ID: E366272

FL MGUARD 4305 - Router

1357875

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



Classifications

ECLASS

| | |
|-------------|----------|
| ECLASS-13.0 | 19170406 |
| ECLASS-15.0 | 19170406 |

ETIM

| | |
|-----------|----------|
| ETIM 10.0 | EC001478 |
|-----------|----------|

UNSPSC

| | |
|-------------|----------|
| UNSPSC 21.0 | 43222600 |
|-------------|----------|

1357875

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

Environmental product compliance

EU RoHS

| | |
|---|--------------|
| Fulfills EU RoHS substance requirements | Yes |
| Exemption | 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.) | 4,4'-isopropylidenediphenol(CAS: 80-05-7) |
| | Lead(CAS: 7439-92-1) |

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

PHOENIX CONTACT Ltd
Halesfield 13, Telford
Shropshire, TF7 4PG
01952 681700
info@phoenixcontact.co.uk