

FL MGUARD 1102 - Router



1153079

<https://www.phoenixcontact.com/us/products/1153079>

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The figure shows the standard item

Security-Router series, 2 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, Ambient temperature (operation): 0 °C ... 60 °C, Supply voltage range: 18 V DC ... 32 V DC, NAT, Protection without configuration in Easy Protect Mode, Non-blocking validation of the configuration in test mode, Stateful inspection firewall

Product description

NAT firewall

Your advantages

- The new Firewall Assistant helps you to create Firewall rules
- High data throughput
- Inexpensive entry into network security
- Test Mode: easily test the created firewall rules without limiting system availability
- Easy Protect Mode: without requiring any configuration, wire bridges are used to block external network access attempts

Commercial data

| | |
|--------------------------------------|---------------|
| Item number | 1153079 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales key | DN27 |
| Product key | DNN311 |
| GTIN | 4063151152413 |
| Weight per piece (including packing) | 413.28 g |
| Weight per piece (excluding packing) | 310.07 g |
| Customs tariff number | 85176200 |
| 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 | Polycarbonate fiber reinforced |

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 | 2 (RJ45 ports) |

Signal contact

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

System properties

Functionality

| | |
|-----------------|---|
| Basic functions | NAT firewall with intelligent firewall, slot for SD memory card |
|-----------------|---|

System requirements

| | |
|--------------------|---|
| Supported browsers | Firefox, Chrome, Edge in the latest version |
|--------------------|---|

Product properties

| | |
|--------------------|---|
| Product type | Security router for the DIN rail |
| Product family | Security-Router |
| Type | Stand-alone |
| Special properties | NAT |
| | Protection without configuration in Easy Protect Mode |
| | Non-blocking validation of the configuration in test mode |

Insulation characteristics

| | |
|------------------|---------------------------------------|
| Protection class | III (IEC 61140, EN 61140, VDE 0140-1) |
|------------------|---------------------------------------|

Security functions

| | |
|------------------------------------|---|
| Filtering | IP, port, protocol |
| Firewall rules | Stateful inspection firewall |
| Basic functions | NAT firewall with intelligent firewall, slot for SD memory card |
| Network Time Protocol (NTP) client | Client/server |
| Routing | Standard routing, NAT, 1:1-NAT, port forwarding |
| Protection against | IP spoofing, DoS and Syn Flood Protection |

Electrical properties

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

Supply

| | |
|-----------------------------|--|
| Supply voltage (DC) | 24 V DC |
| Supply voltage range | 18 V DC ... 32 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 | 1000 mA (loaded outputs) |
| Typical current consumption | 120 mA (at 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 | 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 | IP20 |
| Ambient temperature (operation) | 0 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |

Approvals

Conformity/Approvals

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

Mounting

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| | |
|---------------|-------------------|
| 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 ... 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 55022 / Class B |
|-----------------------|--------------------|

Signaling

| | |
|----------------|--|
| Status display | Supply voltage, data transmission, error, link, activity |
|----------------|--|

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Approvals

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cUL Listed

Approval ID: E238705



cULus Listed

Approval ID: E366272

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Classifications

ECLASS

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

ETIM

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

UNSPSC

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

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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) |
| SCIP | ddb18c11-cdf6-436d-acb6-49cf41b969bf |

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