

# FL MGUARD 1102 - Router

1153079

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



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, 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      |

# FL MGUARD 1102 - Router

1153079

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



|                                      |          |
|--------------------------------------|----------|
| Weight per piece (excluding packing) | 310.07 g |
| Customs tariff number                | 85176200 |
| Country of origin                    | DE       |

# FL MGUARD 1102 - Router

1153079

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



## 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

#### 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

|                                    |                                                                 |
|------------------------------------|-----------------------------------------------------------------|
| Basic functions                    | NAT firewall with intelligent firewall, slot for SD memory card |
| Filtering                          | IP, port, protocol                                              |
| Firewall rules                     | Stateful inspection firewall                                    |
| 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<br>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 <sup>2</sup> |
| Residual ripple             | 3.6 V <sub>PP</sub> (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 <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| Conductor cross-section, flexible | 0.2 mm <sup>2</sup> ... 1.5 mm <sup>2</sup> |
| 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

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

## EMC data

# FL MGUARD 1102 - Router



1153079

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

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

# FL MGUARD 1102 - Router

1153079

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



## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1153079>



**cUL Listed**

Approval ID: E238705



**cULus Listed**

Approval ID: E366272

# FL MGUARD 1102 - Router

1153079

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



## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## 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      |