

# FL MGUARD RS2000 TX/TX-B - Router



2702139

<https://www.phoenixcontact.com/us/products/2702139>

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Router, 10/100 Mbps, NAT



The figure shows the standard item

## Your advantages

- Central management tool
- Maximum performance
- Maximum security

## Commercial data

|                                      |               |
|--------------------------------------|---------------|
| Item number                          | 2702139       |
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DN28          |
| Product key                          | DNN321        |
| GTIN                                 | 4046356983242 |
| Weight per piece (including packing) | 880 g         |
| Weight per piece (excluding packing) | 725 g         |
| Customs tariff number                | 85176200      |
| Country of origin                    | DE            |

## Technical data

### Dimensions

|        |          |
|--------|----------|
| Width  | 45 mm    |
| Height | 130 mm   |
| Depth  | 120.6 mm |

### Notes

#### Note on application

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

### Material specifications

|                  |        |
|------------------|--------|
| Color            | silver |
| Housing material | Metal  |

### 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 (RJ45 ports)   |

#### Signal contact

|                   |                                       |
|-------------------|---------------------------------------|
| Connection method | Plug-in/screw connection via COMBICON |
| Additional text   | not electrically isolated             |

### System properties

#### Functionality

|                 |   |
|-----------------|---|
| Basic functions | Router for standard routing, NAT, 1:1-NAT and port forwarding |
|-----------------|---|

### Product properties

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

#### Security functions

|  |   |
|--|---|
| Data integrity                                     | MD5, SHA-1, SHA 256, SHA-512                                  |
| Dynamic Host Configuration Protocol (DHCP) support | Server or Relay Agent   |
| Basic functions                                    | Router for standard routing, NAT, 1:1-NAT and port forwarding |
| 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                                     |

## Electrical properties

|   |       |
|---|-------|
| Maximum power dissipation for nominal condition | 2.4 W |
|---|-------|

### Supply

|                             |  |
|-----------------------------|--|
| Supply voltage (DC)         | 24 V DC  |
| Supply voltage range        | 11 V DC ... 36 V DC  |
| Power supply connection     | Via COMBICON, max. conductor cross-section 2.5 mm <sup>2</sup> |
| Residual ripple             | 3.6 V <sub>PP</sub> (within the permitted voltage range)       |
| Max. current consumption    | 0.24 A   |
| Typical current consumption | 100 mA (at U <sub>S</sub> = 24 V DC)                           |

### Function

|                                |                              |
|--------------------------------|------------------------------|
| 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)         | -20 °C ... 60 °C              |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C              |
| Permissible humidity (operation)        | 5 % ... 95 % (non-condensing) |

## 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 ... 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 | LEDs:P1, P2, Fault, State, Error, LAN, WAN |
|----------------|--|

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## Classifications

### ECLASS

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

### ETIM

|           |          |
|-----------|----------|
| 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                               | 6(c), 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.) | Lead(CAS: 7439-92-1)                 |
| SCIP                                | 029f96d5-46ab-48ff-a213-3ecde00aa543 |

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