# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

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.

Remote maintenance router, 10/100 Mbps, NAT, VPN, firewall, Unmanaged 5-port Switch

## Your advantages

- Central management tool
- Maximum performance
- Maximum security

## Commercial Data

| | |
|---|---|
| Item number | 2701875 |
| Packing unit | 1 pc |
| Minimum order quantity | 1 pc |
| Sales Key | DN28 |
| Product Key | DNN331 |
| Catalog Page | Page 336 (C-6-2019) |
| GTIN | 4046356869324 |
| Weight per Piece (including packing) | 902.5 g |
| Weight per Piece (excluding packing) | 902 g |
| Customs tariff number | 85176200 |
| Country of origin | DE |

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## Technical Data

### Dimensions

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

### 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 | 6 (RJ45 ports) |

#### Signal contact

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

#### VPN - release button

| Connection method | 24 V DC/250 mA can be connected as an option |
|---|---|

### System properties

#### Functionality

| Basic functions | Router with firewall and VPN for 2 tunnels, integrated 5-port switch, metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps |
|---|---|

#### 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 |
|---|---|

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

| | |
|---|---|
| Number of VPN tunnels | 2 |
| 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 | Incoming or outgoing traffic |
| Firewall data throughput | max. 130 Mbps (Router mode, default firewall rules, bidirectional throughput) |
| | max. 61 Mbps (Stealth mode, default firewall rules, bidirectional throughput) |
| Firewall rules | simple stateful inspection firewall, no user firewall, no conditional firewall, no rule sets |
| Basic functions | Router with firewall and VPN for 2 tunnels, integrated 5-port switch, metal housing, slot for SD memory card, extended temperature range, high-performance firewall/VPN: up to 124 Mbps/40 Mbps |
| 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 |
| Remote Syslog Logging | On externals server |
| Routing | Standard routing, NAT, 1:1-NAT, port forwarding |
| Encryption methods | DES, 3DES, AES-128, -192, -256 |
| Virtual private network (VPN) throughput | max. 40 Mbps (Router mode, VPN bidirectional throughput) |
| | max. 27 Mbps (Stealth mode, VPN bidirectional throughput) |

## Electrical properties

| | |
|---|---|
| Local diagnostics | P1, P2 Supply voltage US1, US2 Green LED |
| | One LED per port Link active Green LED |

### Supply

| | |
|---|---|
| Supply voltage (DC) | 24 V DC (redundant) |
| Supply voltage range | 11 V DC ... 36 V DC |
| Power supply connection | Via COMBICON, max. conductor cross section 2.5 mm² |
| Residual ripple | 3.6 $V_{PP}$ (within the permitted voltage range) |
| Max. current consumption | 180 mA (unloaded outputs) |
| Typical current consumption | 100 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) |

## Environmental and real-life conditions

### Ambient conditions

| | |
|---|---|
| Degree of protection | IP20 |
| Ambient temperature (operation) | -20 °C ... 60 °C |
| Ambient temperature (storage/transport) | -40 °C ... 70 °C |
| Permissible humidity (operation) | 5 % ... 95 % (non-condensing) |

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## Approvals

### Conformity/Approvals

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

## Mounting

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

## EMC data

| | |
|---|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU |

## Signaling

| | |
|---|---|
| Status display | LEDs:P1, P2, Fault, State, Error, LAN, WAN |

## Approvals

| | EAC |
|---|---|
| | Approval ID: RU*DE*08.B.00731/19 |

| | UL Listed |
|---|---|
| | Approval ID: FILE E 238705 |

| | cUL Listed |
|---|---|
| | Approval ID: FILE E 238705 |

## Classifications

### ECLASS

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

### ETIM

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

### UNSPSC

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

## Environmental Product Compliance

| REACh SVHC | Lead 7439-92-1 |
|---|---|

| China RoHS | Environmentally Friendly Use Period = 50 years |
|---|---|
|  | For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads" |

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## Accessories

### FL CAT5 PATCH 0,3 - Patch cable

2832250

https://www.phoenixcontact.com/us/products/2832250

Patch cable, CAT5, assembled, 0.3 m

### FL CAT5 PATCH 0,5 - Patch cable

2832263

https://www.phoenixcontact.com/us/products/2832263

Patch cable, CAT5, assembled, 0.5 m

# FL MGUARD RS2005 TX VPN - Router

## FL CAT5 PATCH 1,0 - Patch cable

2832276

https://www.phoenixcontact.com/us/products/2832276

Patch cable, CAT5, assembled, 1 m

## FL CAT5 PATCH 1,5 - Patch cable

2832221

https://www.phoenixcontact.com/us/products/2832221

Patch cable, CAT5, assembled, 1.5 m

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL CAT5 PATCH 2,0 - Patch cable

2832289

https://www.phoenixcontact.com/us/products/2832289

Patch cable, CAT5, assembled, 2 m

## FL CAT5 PATCH 3,0 - Patch cable

2832292

https://www.phoenixcontact.com/us/products/2832292

Patch cable, CAT5, assembled, 3 m

## FL CAT5 PATCH 5,0 - Patch cable

2832580

https://www.phoenixcontact.com/us/products/2832580

Patch cable, CAT5, assembled, 5 m

## FL CAT5 PATCH 7,5 - Patch cable

2832616

https://www.phoenixcontact.com/us/products/2832616

Patch cable, CAT5, assembled, 7.5 m

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL CAT5 PATCH 10,0 - Patch cable

2832629

https://www.phoenixcontact.com/us/products/2832629

Patch cable, CAT5, assembled, 10 m

## FL CAT6 PATCH 12,5 - Patch cable

2891369

https://www.phoenixcontact.com/us/products/2891369
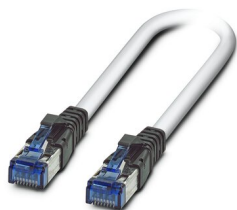
Patch cable, CAT6, pre-assembled, 12.5 m

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL CAT6 PATCH 15,0 - Patch cable

2891372

https://www.phoenixcontact.com/us/products/2891372

Patch cable, CAT6, pre-assembled, 15.0 m

## FL CAT6 PATCH 20,0 - Patch cable

2891576

https://www.phoenixcontact.com/us/products/2891576

Patch cable, CAT6, pre-assembled, 20.0 m

## FL RJ45 PROTECT CAP - Dust protection

2832991

https://www.phoenixcontact.com/us/products/2832991
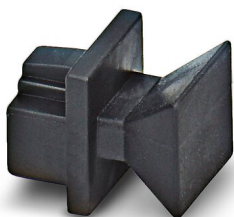
Dust protection caps for RJ45 socket

## FL PLUG RJ45 GR/2 - RJ45 connector

2744856

https://www.phoenixcontact.com/us/products/2744856

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, cable outlet: straight, color: green, Ethernet
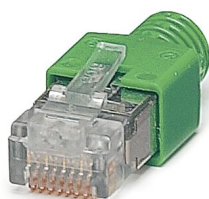
# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL PLUG RJ45 GN/2 - RJ45 connector

2744571

https://www.phoenixcontact.com/us/products/2744571

RJ45 connector, design: RJ45, degree of protection: IP20, number of positions: 8, 1 Gbps, CAT5 (IEC 11801:2002), material: Plastic, connection method: Crimp connection, cable outlet: straight, color: green, Ethernet

## FL CRIMPTOOL - Assembly tool

2744869

https://www.phoenixcontact.com/us/products/2744869

Crimping pliers, for assembling the RJ45 plugs FL PLUG RJ45...,  for assembly on site

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL MGUARD LIC FW MNT 2030 - License

1493074

https://www.phoenixcontact.com/us/products/1493074

License for firmware maintenance until 2030

## MGUARD SECURE VPN CLIENT LIC - License

2702579

https://www.phoenixcontact.com/us/products/2702579

License for mGuard Secure VPN Client v11.x

# FL MGUARD RS2005 TX VPN - Router

2701875

https://www.phoenixcontact.com/us/products/2701875

## FL MGUARD DM UNLIMITED - Software

2981974

https://www.phoenixcontact.com/us/products/2981974
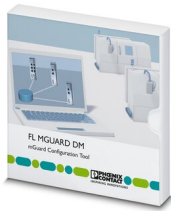
Central device management software for MGUARD devices for any number of devices in the field. For installation on a PC. No additional licenses required. Download trial version for up to 10 devices.

## SD FLASH 2GB - Program / configuration memory

2988162

https://www.phoenixcontact.com/us/products/2988162

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

Phoenix Contact USA
586 Fulling Mill Road
Middletown, PA 17057, United States
(+717) 944-1300
info@phoenixcon.com