

https://www.phoenixcontact.com/gb/products/1357850

**PHŒNIX** CONTACT

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Product description

Security remote maintenance router

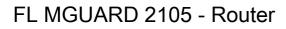
### Your advantages

- · Central management tool
- Maximum performance
- · Maximum security
- · Remote maintenance with maximum security
- mGuard security technology

### Commercial data

| Item number                          | 1357850       |
|--------------------------------------|---------------|
| Packing unit                         | 1 pc          |
| Minimum order quantity               | 1 pc          |
| Sales key                            | DNN311        |
| Product key                          | DNN311        |
| GTIN                                 | 4063151686819 |
| Weight per piece (including packing) | 479.3 g       |
| Weight per piece (excluding packing) | 350 g         |
| Country of origin                    | DE            |

Remote maintenance router, 10/100/1000 Mbps, NAT, VPN, firewall, unmanaged, 4-port switch



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### Technical data

#### Dimensions

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

#### Material specifications

| Color            | gray    |
|------------------|---------|
| 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)   |
| 2x digital output, 2x digital input |  |
| Connection method                   | Push-in-/Spring-cage connection                          |
| Additional text                     | not electrically isolated                                |
|                                     |  |

#### System properties

| Basic functions     | Router with firewall and VPN for 2 tunnels (fixed), plastic<br>housing, slot for SD memory card, extended temperature range,<br>router with firewall and VPN for 2 tunnels (fixed), plastic housing,<br>slot for SD memory card, extended temperature range,<br>integrated 4-port switch |
|---------------------|--|
| System requirements |  |
| Supported browsers  | HTTPS support required   |

| Туре   | 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                             |
| Number of VPN tunnels                            | 2 (Fixed, Ipsec (IETF standard))      |
| Authentication                                   | X.509v3 certificates with RSA or PSK  |

# FL MGUARD 2105 - Router

#### 1357850

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| 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. 940 Mbps (Router mode, default firewall rules, unidirectional throughput)   |
| Firewall rules   | simple stateful inspection firewall, no user firewall, no conditiona firewall, no rule sets  |
| Basic functions  | Router with firewall and VPN for 2 tunnels (fixed), plastic<br>housing, slot for SD memory card, extended temperature range<br>router with firewall and VPN for 2 tunnels (fixed), plastic housing<br>slot for SD memory card, extended temperature range,<br>integrated 4-port switch |
| 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 externals server  |
| Routing  | Standard routing, NAT, 1:1-NAT, port forwarding  |
| Encryption methods   | DES, 3DES, AES-128, -192, -256   |
| trical properties  |  |
| trical properties<br>Local diagnostics   | US1 Supply voltage US1 Green LED   |
| Local diagnostics  | One LED per port Link active / Speed Green / green/yellow LED  |
| Local diagnostics<br>Maximum power dissipation for nominal condition   |  |
| Local diagnostics  | One LED per port Link active / Speed Green / green/yellow LED  |
| Local diagnostics<br>Maximum power dissipation for nominal condition   | One LED per port Link active / Speed Green / green/yellow LED<br>typ. 2.88 W   |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)  | One LED per port Link active / Speed Green / green/yellow LED<br>typ. 2.88 W<br>24 V DC  |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)<br>Supply voltage range  | One LED per port Link active / Speed Green / green/yellow LED<br>typ. 2.88 W<br>24 V DC<br>12 V DC 36 V DC   |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)<br>Supply voltage range<br>Power supply connection   | One LED per port Link active / Speed Green / green/yellow LED   typ. 2.88 W   24 V DC   12 V DC 36 V DC   via COMBICON, max. conductor cross section 1.5 mm²   |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)<br>Supply voltage range<br>Power supply connection<br>Residual ripple  | One LED per port Link active / Speed Green / green/yellow LED   typ. 2.88 W   24 V DC   12 V DC 36 V DC   via COMBICON, max. conductor cross section 1.5 mm²   3.6 V <sub>PP</sub> (within the permitted voltage range)  |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)<br>Supply voltage range<br>Power supply connection<br>Residual ripple<br>Max. current consumption                                | One LED per port Link active / Speed Green / green/yellow LED   typ. 2.88 W   24 V DC   12 V DC 36 V DC   via COMBICON, max. conductor cross section 1.5 mm²   3.6 V <sub>PP</sub> (within the permitted voltage range)   1 A  |
| Local diagnostics<br>Maximum power dissipation for nominal condition<br>pply<br>Supply voltage (DC)<br>Supply voltage range<br>Power supply connection<br>Residual ripple<br>Max. current consumption<br>Typical current consumption | One LED per port Link active / Speed Green / green/yellow LED   typ. 2.88 W   24 V DC   12 V DC 36 V DC   via COMBICON, max. conductor cross section 1.5 mm²   3.6 V <sub>PP</sub> (within the permitted voltage range)   1 A  |

| 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) |
|   |                           |

### Standards and regulations

Free from substances that could impair the application of coating

Yes



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| Conformance                     | CE-compliant   |
|---------------------------------|--|
| punting                         |  |
| Mounting type                   | DIN rail   |
| Mounting type                   | DIN rail mounting  |
| MC data                         |  |
| 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 interferenc<br>10 V/m (80 MHz 6000 MHz)                |
|                                 | IEC 61000-6-2 IEC 61000-4-4 (burst)  |
|                                 | IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 1 kV<br>(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  |
| Electromagnetic compatibility   | Conformance with EMC Directive 2014/30/EU  |
| Noise emission                  | EN 61000-6-4   |

Status display LEDs: US1, FAIL, Link, and Activity

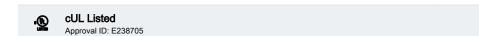


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### Approvals

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**cULus Listed** Approval ID: E366272



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## Classifications

#### ECLASS

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



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### Accessories

#### FL MGUARD DM UNLIMITED - Software

2981974

https://www.phoenixcontact.com/gb/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.

### MGUARD SECURE VPN CLIENT LIC - License

2702579

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



License for mGuard Secure VPN Client v11.x



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### SD FLASH 2GB - Program / configuration memory

#### 2988162

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



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

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