

# FL MGUARD 1105 - Router



1153078

<https://www.phoenixcontact.com/gb/products/1153078>

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Industrial NAT firewall, Unmanaged Switch, comprehensive NAT functionality, intelligent stateful inspection firewall, protection without configuration in Easy Protect Mode, Firewall Assistant as a simple configuration wizard, non-blocking validation of the configuration in test mode

## 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	1153078
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN311
Product key	DNN311
GTIN	4063151151713
Weight per piece (including packing)	499.8 g
Weight per piece (excluding packing)	330 g
Customs tariff number	85176200
Country of origin	DE

## Technical data

### Dimensions

Width	45 mm
Height	130 mm
Depth	130 mm

### Material specifications

Color	gray
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	5 (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
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#### System requirements

Supported browsers	Firefox, Chrome, Edge in the latest version
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### 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)
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#### 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 <sup>2</sup>
Residual ripple	3.6 V <sub>PP</sub> (within the permitted voltage range)
Max. current consumption	1060 mA (loaded outputs)
Typical current consumption	180 mA (at 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)	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
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## Mounting

Mounting type	DIN rail mounting
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## EMC 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 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
Electromagnetic compatibility	Conformance with EMC Directive 2014/30/EU
Noise emission	EN 55022 / Class B

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## Signaling

Status display

Supply voltage, data transmission, error, link, activity

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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/gb/products/1153078>

 **UL Listed**  
Approval ID: FILE E 238705

 **cUL Listed**  
Approval ID: FILE E 238705

 **cUL Listed**  
Approval ID: E238705

 **UL Listed**  
Approval ID: E238705

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## Classifications

### ECLASS

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

### ETIM

ETIM 8.0	EC001478
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### UNSPSC

UNSPSC 21.0	43222600
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## Environmental product compliance

REACH SVHC	Lead 7439-92-1
	4,4'-isopropylidenediphenol (BPA) 80-05-7
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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## Accessories

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

2832250

<https://www.phoenixcontact.com/gb/products/2832250>

Patch cable, CAT5, assembled, 0.3 m



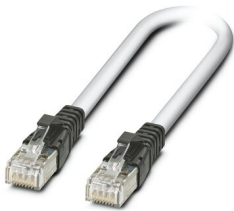
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### FL CAT5 PATCH 0,5 - Patch cable

2832263

<https://www.phoenixcontact.com/gb/products/2832263>

Patch cable, CAT5, assembled, 0.5 m





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## FL CAT5 PATCH 1,0 - Patch cable

2832276

<https://www.phoenixcontact.com/gb/products/2832276>

Patch cable, CAT5, assembled, 1 m



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## FL CAT5 PATCH 1,5 - Patch cable

2832221

<https://www.phoenixcontact.com/gb/products/2832221>

Patch cable, CAT5, assembled, 1.5 m



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## FL CAT5 PATCH 2,0 - Patch cable

2832289

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Patch cable, CAT5, assembled, 2 m

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## FL CAT5 PATCH 3,0 - Patch cable

2832292

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Patch cable, CAT5, assembled, 3 m

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## FL CAT5 PATCH 5,0 - Patch cable

2832580

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Patch cable, CAT5, assembled, 5 m



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## FL CAT5 PATCH 7,5 - Patch cable

2832616

<https://www.phoenixcontact.com/gb/products/2832616>

Patch cable, CAT5, assembled, 7.5 m



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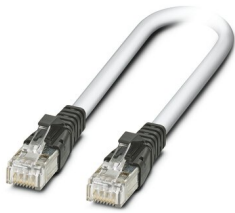
<https://www.phoenixcontact.com/gb/products/1153078>



## FL CAT5 PATCH 10,0 - Patch cable

2832629

<https://www.phoenixcontact.com/gb/products/2832629>



Patch cable, CAT5, assembled, 10 m

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## FL CAT6 PATCH 12,5 - Patch cable

2891369

<https://www.phoenixcontact.com/gb/products/2891369>



Patch cable, CAT6, preassembled, 12.5 m

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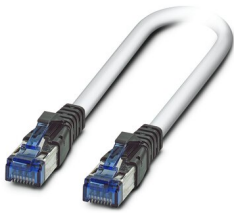
<https://www.phoenixcontact.com/gb/products/1153078>



## FL CAT6 PATCH 15,0 - Patch cable

2891372

<https://www.phoenixcontact.com/gb/products/2891372>



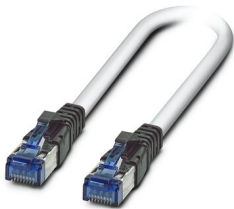
Patch cable, CAT6, preassembled, 15.0 m

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## FL CAT6 PATCH 20,0 - Patch cable

2891576

<https://www.phoenixcontact.com/gb/products/2891576>



Patch cable, CAT6, preassembled, 20.0 m

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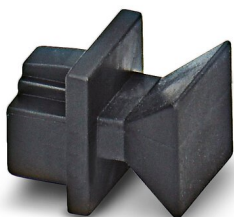
<https://www.phoenixcontact.com/gb/products/1153078>



## FL RJ45 PROTECT CAP - Dust protection

2832991

<https://www.phoenixcontact.com/gb/products/2832991>



Dust protection caps for RJ45 socket

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## FL PLUG RJ45 GR/2 - RJ45 connector

2744856

<https://www.phoenixcontact.com/gb/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, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

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## FL PLUG RJ45 GN/2 - RJ45 connector

2744571

<https://www.phoenixcontact.com/gb/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, connection cross section: AWG 26- 24, cable outlet: straight, color: green, Ethernet

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## FL CRIMPTOOL - Assembly tool

2744869

<https://www.phoenixcontact.com/gb/products/2744869>



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

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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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