

FL MGUARD 1102 - Router



1153079

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

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Industrial NAT firewall, 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	1153079
Packing unit	1 pc
Minimum order quantity	1 pc
Sales Key	DNN
Product Key	DNN311
GTIN	4063151152413
Weight per Piece (including packing)	447.6 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	2 (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

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 ²
Residual ripple	3.6 V _{pp} (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)

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



UL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: FILE E 238705



cUL Listed

Approval ID: E238705



UL Listed

Approval ID: E238705



cUL Listed

Approval ID: FILE E 366272



UL Listed

Approval ID: FILE E 366272



IECEX

Approval ID: IECEX ULD 16.0018X



ATEX

Approval ID: DEMKO 16 ATEX 1709X

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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/in/products/2832250>

Patch cable, CAT5, assembled, 0.3 m



FL CAT5 PATCH 0,5 - Patch cable

2832263

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

Patch cable, CAT5, assembled, 0.5 m



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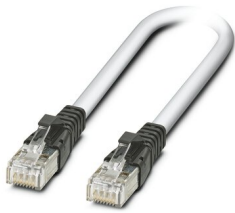
<https://www.phoenixcontact.com/in/products/1153079>



FL CAT5 PATCH 1,0 - Patch cable

2832276

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



Patch cable, CAT5, assembled, 1 m

FL CAT5 PATCH 1,5 - Patch cable

2832221

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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

FL CAT5 PATCH 3,0 - Patch cable

2832292

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Patch cable, CAT5, assembled, 3 m

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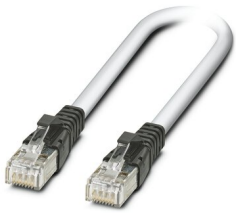
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FL CAT5 PATCH 5,0 - Patch cable

2832580

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Patch cable, CAT5, assembled, 5 m

FL CAT5 PATCH 7,5 - Patch cable

2832616

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Patch cable, CAT5, assembled, 7.5 m

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FL CAT5 PATCH 10,0 - Patch cable

2832629

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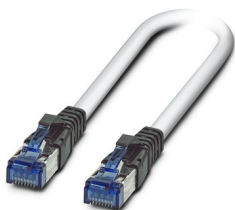


Patch cable, CAT5, assembled, 10 m

FL CAT6 PATCH 12,5 - Patch cable

2891369

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Patch cable, CAT6, pre-assembled, 12.5 m

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FL CAT6 PATCH 15,0 - Patch cable

2891372

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Patch cable, CAT6, pre-assembled, 15.0 m

FL CAT6 PATCH 20,0 - Patch cable

2891576

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Patch cable, CAT6, pre-assembled, 20.0 m

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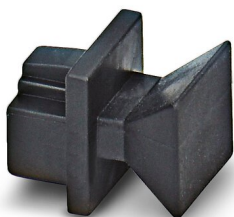
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FL RJ45 PROTECT CAP - Dust protection

2832991

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

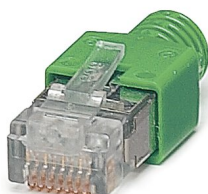


Dust protection caps for RJ45 socket

FL PLUG RJ45 GR/2 - RJ45 connector

2744856

<https://www.phoenixcontact.com/in/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

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FL PLUG RJ45 GN/2 - RJ45 connector

2744571

<https://www.phoenixcontact.com/in/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

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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/in/products/2988162>



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

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