FL MGUARD 1102 - Router

1153079

https://www.phoenixcontact.com/us/products/1153079

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Security-Router series, 2 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, Ambient temperature (operation): 0 °C ... 60 °C, Supply voltage range: 18 V DC ... 32 V DC, NAT, Protection without configuration in Easy Protect Mode, Non-blocking validation of the configuration in test mode, Stateful inspection firewall

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	DN27
Product key	DNN311
GTIN	4063151152413
Weight per piece (including packing)	413.28 g
Weight per piece (excluding packing)	310.07 g
Customs tariff number	85176200
Country of origin	DE

Technical data

Dimensions

Width	45 mm
Height	130 mm
Depth	133.8 mm

Notes

Note on application

Note on application	Only for industrial use

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

System requirements

Supported browsers	Firefox, Chrome, Edge in the latest version

Product properties

Product type	Security router for the DIN rail
Product family	Security-Router
Type	Stand-alone
Special properties	NAT
	Protection without configuration in Easy Protect Mode
	Non-blocking validation of the configuration in test mode
Basic functions	NAT firewall with intelligent firewall, slot for SD memory card

Insulation characteristics

Protection class	III (IEC 61140, EN 61140, VDE 0140-1)

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 mm²
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

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	Supply voltage, data transmission, error, link, activity

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1153079

cUL Listed
Approval ID: E238705

Classifications

ECLASS

ECLASS-13.0	19170406
ECLASS-15.0	19170406

ETIM

ETIM 9.0	EC001478

UNSPSC

UNSPSC 21.0	43222600

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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.)	4,4'-isopropylidenediphenol(CAS: 80-05-7)
	Lead(CAS: 7439-92-1)
SCIP	ddb18c11-cdf6-436d-acb6-49cf41b969bf

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