FL MGUARD 4302 - Router

1357840

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CRA-READY



The figure shows the standard item

Security-Router series, 2 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, Ambient temperature (operation): -40 °C ... 60 °C, Supply voltage range: 12 V DC ... 36 V DC, NAT, VPN, Development process certified in accordance with IEC 62443-4-1, Product certified in accordance with IEC 62443-4-2, The product is being prepared for compliance with the Cyber Resilience Act (CRA), Configurable stateful inspection firewall with full scope of functions, safe isolation for PROFIsafe in accordance with IEC 61784-3-3, user firewall, conditional firewall, rule sets

Product description

Security appliance

Your advantages

- Central management tool
- Maximum security
- Maximum performance
- Integration of IT and OT security
- mGuard security technology

ELEKTROGERÄTE RÜCKNAHME

Commercial data

Item number	1357840

Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN29
Product key	DNN311
GTIN	4063151685744
Weight per piece (including packing)	388 g
Weight per piece (excluding packing)	315 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	Only for industrial use
Note on application	As things stand now, we are preparing the product so that, as of December 11, 2027, it will comply with the requirements of the EU Cyber Resilience Act (CRA) based on the information currently available regarding the CRA.

Material specifications

Color (Housing)	light gray (RAL 7035)
Housing material	Plastic

Interfaces

Ethernet (RJ45)

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)

2x digital output, 2x digital input

Connection method	Push-in-/Spring-cage connection
Additional text	not electrically isolated

VPN - release button

Connection method	Push-in-/Spring-cage connection

System properties

Processor	Marvell®ARMADA® 3720

System requirements

Supported browsers	HTTPS support required

Output data

Signal contact

Control voltage	24 V DC (typical)
Control current	250 mA (short-circuit-proof)

Product properties

Product type	Security router for the DIN rail
Product family	Security-Router
Type	Stand-alone
Special properties	NAT
	VPN
	Development process certified in accordance with IEC 62443-4-1
	Product certified in accordance with IEC 62443-4-2
	The product is being prepared for compliance with the Cyber Resilience Act (CRA)

Insulation characteristics

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

Security functions

Basic functions	Security appliance with intelligent firewall and VPN for 250 tunnels, plastic housing, slot for SD memory card, extended temperature range, Gigabit wire speed
1:1 Network Address Translation (NAT) in the VPN	supported
Number of VPN tunnels	250
Authentication	X.509v3 certificates with RSA or PSK
Data integrity	MD5, SHA-1, SHA 256, SHA-512
Filtering	MAC and IP addresses, ports, protocols
Firewall data throughput	max. 940 Mbps (Router mode, default firewall rules, unidirectional throughput)
	max. 850 Mbps (Stealth mode, default firewall rules, unidirectional throughput)
Firewall rules	Configurable stateful inspection firewall with full scope of functions, safe isolation for PROFIsafe in accordance with IEC 61784-3-3, user firewall, conditional firewall, rule sets
Internet Protocol Security (IPsec) mode	ESP tunnel / ESP transport
Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
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
Protection against	IP spoofing, DoS and Syn Flood Protection
Encryption methods	DES, 3DES, AES-128, -192, -256
Virtual private network (VPN) throughput	max. 250 Mbps (Router mode, VPN unidirectional throughput)

Electrical properties

Local diagnostics	US1, US2 Supply voltage US1, US2 Green LED
	One LED per port Link active / Speed Green / green/yellow LED
Maximum power dissipation for nominal condition	typ. 2.88 W

Supply

Supply voltage (DC)	24 V DC (redundant)

Supply voltage range	12 V DC ... 36 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	1 A
Typical current consumption	120 mA (at U_S = 24 V DC and 25 °C ambient temperature)
Ground connection	Via DIN rail and/or COMBICON (optional)

Connection data

Connection method	RJ45 jack, shielded
Connection method	Push-in spring connection
Conductor cross-section, rigid	0.2 mm² ... 1.5 mm²
Conductor cross-section, flexible	0.2 mm² ... 1.5 mm²
Conductor cross-section AWG	24 ... 16

Environmental and real-life conditions

Ambient conditions

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

Standards and regulations

Free from substances that could impair the application of coating	Yes

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 ... 6000 MHz)
	IEC 61000-6-2 IEC 61000-4-4 (burst) 2 kV power line, 2 kV data line
	IEC 61000-6-2 IEC 61000-4-5 (surge) power line: 1 kV (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

Noise emission

Standards/regulations	EN 61000-6-4

Signaling

Status display	LEDs: US1, US2, FAIL, Link, and Activity

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1357840

BSH
Approval ID: BSH 1122

cUL Listed
Approval ID: E238705

DNV
Approval ID: TAA0000382

Cybersecurity Certificate
Approval ID: 968/CSP 1029.01/26

cULus Listed
Approval ID: E366272

Classifications

ECLASS

ECLASS-13.0	19170406
ECLASS-15.0	19170406

ETIM

ETIM 10.0	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	bb34652b-b9eb-48ff-a4c2-968a9645ddb4

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