

https://www.phoenixcontact.com/gb/products/1357828



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Security-Router series, 2 RJ45 ports 10/100/1000 Mbps, degree of protection: IP20, NAT, VPN, Certified in accordance with IEC 62443-4-2, Simple stateful inspection firewall, safe isolation for PROFIsafe in accordance with IEC 61784-3-3

# Product description

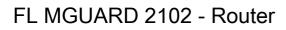
Security remote maintenance router

### Your advantages

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

### Commercial data

Item number	1357828
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DNN311
Product key	DNN311
GTIN	4063151685737
Weight per piece (including packing)	383 g
Weight per piece (excluding packing)	310 g
Customs tariff number	85176200
Country of origin	DE



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## 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

Plastic

## Interfaces

Housing material

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)
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

Basic functions	Router with firewall and VPN for 2 tunnels (fixed), plastic housing, slot for SD memory card, extended temperature range, router with firewall and VPN for 2 tunnels (fixed), plastic housing, slot for SD memory card, extended temperature range
System requirements	
Supported browsers	HTTPS support required
roduct properties	
Product type	Security router for the DIN rail
Product family	Security-Router



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Signal contact control current



Special properties	VPN
	Certified in accordance with IEC 62443-4-2
nsulation 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
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)
	max. 850 Mbps (Stealth mode, default firewall rules, unidirectional throughput)
Firewall rules	Simple stateful inspection firewall, safe isolation for PROFIsafe i accordance with IEC 61784-3-3
Basic functions	Router with firewall and VPN for 2 tunnels (fixed), plastic housing, slot for SD memory card, extended temperature range, router with firewall and VPN for 2 tunnels (fixed), plastic housing slot for SD memory card, extended temperature range
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
Virtual private network (VPN) throughput	max. 250 Mbps (Router mode, VPN unidirectional throughput)
ectrical properties	
	US1 Supply voltage US1 Green LED
Local diagnostics	
Local diagnostics	One LED per port Link active / Speed Green / green/yellow LED
Local diagnostics Maximum power dissipation for nominal condition	One LED per port Link active / Speed Green / green/yellow LED typ. 2.88 W
Maximum power dissipation for nominal condition	
Maximum power dissipation for nominal condition	typ. 2.88 W
Maximum power dissipation for nominal condition Supply Supply voltage (DC)	typ. 2.88 W 24 V DC
Maximum power dissipation for nominal condition Supply Supply voltage (DC) Supply voltage range	typ. 2.88 W 24 V DC 12 V DC 36 V DC
Maximum power dissipation for nominal condition Supply Supply voltage (DC) Supply voltage range Power supply connection	typ. 2.88 W 24 V DC 12 V DC 36 V DC via COMBICON, max. conductor cross section 1.5 mm <sup>2</sup>
Maximum power dissipation for nominal condition Supply Supply voltage (DC) Supply voltage range Power supply connection Residual ripple	<ul> <li>typ. 2.88 W</li> <li>24 V DC</li> <li>12 V DC 36 V DC</li> <li>via COMBICON, max. conductor cross section 1.5 mm<sup>2</sup></li> <li>3.6 V<sub>PP</sub> (within the permitted voltage range)</li> </ul>
Maximum power dissipation for nominal condition Supply Supply voltage (DC) Supply voltage range Power supply connection Residual ripple Max. current consumption Typical current consumption	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
Maximum power dissipation for nominal condition Supply Supply voltage (DC) Supply voltage range Power supply connection Residual ripple Max. current consumption	24 V DC 12 V DC 36 V DC via COMBICON, max. conductor cross section 1.5 mm <sup>2</sup> 3.6 V <sub>PP</sub> (within the permitted voltage range) 1 A

250 mA (short-circuit-proof)

# FL MGUARD 2102 - Router

### 1357828

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### Environmental and real-life 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)
Permissible humidity (storage/transport)	5 % 95 % (non-condensing)
ndards and regulations	
Free from substances that could impair the application of coating	Yes
provals	
onformity/Approvals	
Conformance	CE-compliant
unting	
Mounting type	DIN rail mounting
C 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 dat 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
oise emission	
oise emission Standards/regulations	EN 61000-6-4
	EN 61000-6-4



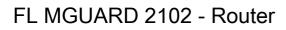
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## Approvals

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# Classifications

### ECLASS

	ECLASS-13.0	19170406
ΕT	ТM	
	ETIM 9.0	EC001478

# FL MGUARD 2102 - Router

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## Environmental product compliance

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-l
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	8f39634a-e411-41a9-aa22-773c4dc15627
F3.0 Climate Change	
CO2e kg	58.03 kg CO2e

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