Extract from the online catalog

FL MGUARD RS

Order No.: 2989310



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Router with intelligent Firewall, data throughput up to 99 Mbps (Wire Speed Performance), Stateful Inspection Firewall for optimum safety and extremely simple configuration, in the ME45 format

Commercial data	
GTIN (EAN)	4 046356 298940
sales group	K006
Pack	1 pcs.
Customs tariff	85176200
Catalog page information	Page 174 (AX-2009)

Product notes

WEEE/RoHS-compliant since: 11/27/2007

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Technical data

Interfaces

Interface	Ethernet
No. of ports	2
Type of connection	RJ45
Transmission physics	Ethernet in RJ45 twisted pair

Transmission speed	10/100 MBit/s
Transmission length	100 m (per segment)
Signal LEDs	Supply voltage, data transmission, error, link, activity
Interface	Potential-free signaling contact
Type of connection	Plug-in/screw connection via COMBICON

Function

Basic functions	Router with intelligent Firewall
Management	Web based management, SNMP or over V.24 (RS-232)
Supported browsers	HTTPS support required
Processor	533 MHz
Status and diagnostic indicators	LEDs:P1, P2, Fault, State, Error, LAN, WAN

Network expansion parameters

Maximum conductor length ((twisted pair)	100 m

Supply voltage

Supply voltage	24 V DC
Residual ripple	3.6 V_{PP} (within the permitted voltage range)
Supply voltage range	9 V DC ... 36 V DC
Typical current consumption	170 mA

General data

Weight	250 g
Width	45 mm
Height	99 mm
Depth	112 mm
Degree of protection	IP20
Ambient temperature (operation)	0 °C ... 55 °C
Permissible humidity (operation)	10 % ... 95 % (no condensation)
Housing material	PA 6.6
Noise emission	EN 61000-6-4
Noise immunity	EN 61000-6-2:2005

Conformity with EMC directives

Developed in acc. with standard	IEC 61000-6.2
Test standard	IEC 61000-4-2 (ESD)
Test result	6 kV contact discharge, 8 kV air discharge

Test standard	IEC 61000-4-3 (immunity to radiated interference)
Test result	10 V/m (80-2000 MHz)
Test standard	IEC 61000-4-4 (burst)
Test result	2 kV power line, 1kV data line
Test standard	IEC 61000-4-5 (surge)
Test result	power line: 2 kV (line/earth), 1 kV (line/line), 1kV data line
Test standard	IEC 61000-4-6 (immunity to conducted interference)
Test result	3 V(10 kHz-150 kHz), 10 V (150 kHz-80 MHz)

Security functions

Dynamic Host Configuration Protocol (DHCP) support	Server or Relay Agent
Network Time Protocol (NTP) client	Client
Link Layer Discovery Protocol (LLDP)	As per protocol 802.2
Remote Syslog Logging	On externals server
Firewall data throughput	Up to 99 Mbps
Firewall rules	Configurable stateful inspection firewall
Filtering	MAC and IP addresses, ports, protocols
Protection against	IP spoofing, DoS and Syn Flood Protection
Routing	Standard routing, NAT, 1:1-NAT, port forwarding

Certificates / Approvals

Certification	CUL Listed, UL Listed

Accessories

Item	Designation	Description
Cable/conductor		
2832250	FL CAT5 PATCH 0,3	Patch cable, CAT5, assembled, 0.3 m
2832263	FL CAT5 PATCH 0,5	Patch cable, CAT5, assembled, 0.5 m
2832276	FL CAT5 PATCH 1,0	Patch cable, CAT5, assembled, 1.0 m
2832221	FL CAT5 PATCH 1,5	Patch cable, CAT5, assembled, 1.5 m

2832629	FL CAT5 PATCH 10,0	Patch cable, CAT5, assembled, 10.0 m
2832289	FL CAT5 PATCH 2,0	Patch cable, CAT5, assembled, 2.0 m
2832292	FL CAT5 PATCH 3,0	Patch cable, CAT5, assembled, 3.0 m
2832580	FL CAT5 PATCH 5,0	Patch cable, CAT5, assembled, 5.0 m
2832616	FL CAT5 PATCH 7,5	Patch cable, CAT5, assembled, 7.5 m
2891369	FL CAT6 PATCH 12,5	Patch cable, CAT6, pre-assembled, 12.5 m
2891372	FL CAT6 PATCH 15,0	Patch cable, CAT6, pre-assembled, 15.0 m
2891576	FL CAT6 PATCH 20,0	Patch cable, CAT6, pre-assembled, 20.0 m

General

2744788	FL MC 10BASE-T/FO G850	Fiber optic converter, for converting 10Base-T to multimode glass fiber, (850 nm), B-FOC (ST®) FO connection, supply 24 V DC
2891165	FL PF 2TX CAT5E	Patch field with two RJ45 CAT5e network connections
2891178	FL PF 8TX CAT5E	Patch field with eight RJ45 CAT5e network connections
2832991	FL RJ45 PROTECT CAP	Dust protection caps for RJ45 female connector

Plug/Adapter

2744571	FL PLUG RJ45 GN/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, green for crossed cables, for assembly on site. For connections that are crossed, it is recommended that the connector set with green bend protection sleeves is used.
2744856	FL PLUG RJ45 GR/2	RJ45 connector, shielded, with bend protection sleeve, 2 pieces, gray for straight cables, for assembly on site. For connections that are not crossed, it is recommended that you use the connector set with gray bend protection sleeve.

Tools

2744869	FL CRIMPTOOL	Crimping pliers, for assembling the RJ45 connectors FL PLUG RJ45..., for assembly on site

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