



EAGLE mGuard MM SC/MM SC

Industrial Networking:Industrial Ethernet:EAGLE System:EAGLE mGuard Firewall

| Product description | |
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| Description | Industrial Firewall |
| Modi | Router, Single Client Transparent (SCT) and Multi Client Transparent(MCT), PPPoE, PPTP |
| Port type and quantity | Trusted Port: 1 x 10/100BASE-TX, TP-cable, RJ45-socket, autocrossing, autonegotiation, autopolarity Untrusted Port: 1 x 10/100BASE-TX, TP-cable, RJ45-socket, autocrossing, autonegotiation, autopolarity |
| Type | EAGLE mGuard MM SC/MM SC |
| Order No. | 943 011-316 |
| More Interfaces | |
| Power supply/signaling contact | 1 plug-in terminal block, 6-pin |
| V.24 interface | 1 x RJ11 socket |
| USB interface | 1x USB socket |
| Network size - length of cable | |
| Multimode fiber (MM) 50/125 µm | 0 - 5000 m, 8 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 800 MHz x km |
| Multimode fiber (MM) 62.5/125 µm | 0 - 4000 m, 11 dB link budget at 1300 nm, A = 1 dB/km, 3 dB reserve, B = 500 MHz x km |
| Security | |
| Stateful inspection firewall | firewallrules (incoming/outgoing, modem access, management), IP masquerading, 1-to-1 NAT, ARP limiter, MAC filter |
| Antivirus protection | optional: ClamAV-Anti-Virus-Engine (HTTP, FTP, POP3, SMTP) |
| Power requirements | |
| Operating voltage | 9.6 to 60V DC, 18V to 32V AC |
| Current consumption at 24 V DC | max. 335 mA |
| Service | |
| Diagnostics | LEDs (power, link status, data, error, ACA) signaling contact (24 V DC / 1 A), logfile Command Line Interface (CLI), Web-Interface, auto-configuration adapter (ACA21-USB), DHCP, HiDiscovery, Industrial HiVision, SolSoft Policy Server (ISCM), Innominate DeviceManager |
| Protocols | serial, HTTPS, SSH,SNMP V1/V2/V3, LLDP |
| Other services | DHCP server/client, DHCP Relay/Option 82, DynDNS, firewall access via V.24 (PPP), NTP, VLAN support (IEEE 802.3pQ), port forwarding |
| Redundancy | |
| Redundancy functions | use in redundant net-/ringcoupling, dual homing, router redundancy (VRRP), redundant 24 V power supply |
| Ambient conditions | |
| Operating temperature | 0 °C to +55 °C |
| Storage/transport temperature | -40 °C to +80 °C |
| Relative humidity (non-condensing) | 10% to 95% |
| Mechanical construction | |
| Dimensions (W x H x D) | 47 mm x 131 mm x 111 mm |
| Mounting | DIN Rail 35 mm |
| Weight | 340 g |

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| Protection class | IP 20 |
| Mechanical stability | |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |
| IEC 60068-2-6 vibration | 1 mm, 2 Hz - 13,2 Hz, 90 min.; 0,7g, 13,2 Hz - 100 Hz, 90 min.; 3,5 mm, 3 Hz - 9 Hz, 10 cycles, 1 octave/min.; 1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min |
| EMC interference immunity | |
| EN 61000-4-2 electrostatic discharge (ESD) | 6 kV contact discharge, 8 kV air discharge |
| EN 61000-4-3 electromagnetic field | 10 V/m (80 - 2000 MHz) |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 1 kV data line |
| EN 61000-4-5 surge voltage | power line: 2 kV (linie/earth), 1 kV (linie/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 3 V (10 kHz - 150 kHz), 10 V (150 kHz - 80 MHz) |
| Approvals | |
| Safety of industrial control equipment | cUL 508 |
| Hazardous locations | cUL 1604 Class1 Div 2 pending |
| Germanischer Lloyd | Germanischer Lloyd |
| Scope of delivery and accessories | |
| Scope of delivery | device, terminal block, operating instructions, CD-manual |
| Accessories to order separately | rail power supply RPS 30, RPS 80 EEC or RPS 120 EEC, terminal cable, modem cable, HiVision network management, auto-configuration adapter (ACA 11), 19" installation frame |