




Product information OpenOCTOPUS Fast Ethernet - OCTOPUS 16M

Industrial Ethernet:Waterproof IP67/IP54 Switches:OpenOCTOPUS:OpenOCTOPUS Fast Ethernet

<http://e-catalog.hirschmann.com/link/57078-24455-49850-351255-400977/en/OS20-001600T5T5TAMPHH08.0/uistate>

| | |
|--|---|
| Name | OpenOCTOPUS Fast Ethernet |
| |  |
| | Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, electrical Fast-Ethernet (10/100 MBit/s) M12-ports |
| Delivery informations | |
| Availability | available |
| Product description | |
| Description | Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, electrical Fast-Ethernet (10/100 MBit/s) M12-ports |
| Port type and quantity | 16 ports in total; uplink ports: 10/100 BASE-TX, M12 "D"-coding, 4-pole; 16 x 10/100 BASE-TX; TP-cable, auto-crossing, auto-negotiation, auto-polarity. |
| Type | OCTOPUS 16M |
| Order No. | 943 912-001 |
| More Interfaces | |
| Power supply/signaling contact | 1 x M12 5-pin connector, A coding, 1 x M12 5-pin connector, A coding |
| V.24 interface | 1 x M12 4-pin connector, A coding |
| USB interface | 1 x M12 5-pin socket, A coding |
| Network size - length of cable | |
| Twisted pair (TP) | 0 - 100 m |
| Network size - cascading | |
| Line - / star topology | any |
| Ring structure (HIPER-Ring) quantity switches | 50 (reconfiguration time < 0.3 sec.) |
| Power requirements | |
| Operating voltage DC | 24/36/48 VDC -60% / +25% (9,6..60 VDC) |
| Current consumption at 48 V DC | 190 mA |
| Software | |
| Management | Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SFTP, SNMP v1/v2/v3, Traps |
| Diagnostics | LEDs (power 1, power 2, link status, data, redundancy manager, error) cable tester, signalling contact, RMON (statistics, history, alarms, events), SysLog support, port mirroring |
| Configuration | Command Line Interface (CLI), auto-configuration adapter, TELNET, BootP, DHCP Option 82, HiDiscovery |
| Security | Port Security (IP and MAC), SNMPv3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication |
| Redundancy functions | redundant power supply |
| Other services | 4 QoS queues, user priority (IEEE 802.1D/p), VLAN (IEEE 802.1Q), unknown multicast filtering, multicast support (IGMP Snooping/Querier, GMRP), broadcast limiter per port, ingress and egress packet limiter, Flow Control IEEE 802.3x, LLDP (topology discovery IEEE 802.1AB), Link Aggregation (IEEE 802.3ad), buffered real-time clock, PTP support (Precision Time Protocol) (IEEE 1588 client for system clock only), SNTP support (Simple Network Time Protocol, client/server) |
| Ambient conditions | |
| Operating temperature | -40 °C ... 70 °C |
| Storage/transport temperature | -40 °C ... 85 °C |
| Relative humidity (also condensing) | 10 % ... 100 % |
| MTBF | 27.6 years; MIL-HDBK 217F: Gb 25 °C |
| Mechanical construction | |
| Dimensions (W x H x D) | 261 mm x 189 mm x 70 mm |
| Mounting | Wall mounting |
| Weight | 1900 g |
| Protection class | IP65, IP67 |
| Mechanical stability | |
| IEC 60068-2-27 shock | 15 g, 11 ms duration, 18 shocks |



Industrial Ethernet: Waterproof IP67/IP54 Switches: OpenOCTOPUS: OpenOCTOPUS Fast Ethernet

<http://e-catalog.hirschmann.com/link/57078-24455-49850-351255-400977/en/OS20-001600T5T5TAMPFH08.0/ui/state>

| | |
|---|---|
| IEC 60068-2-6 vibration | 1 mm, 2 Hz-13.2 Hz, 90 min.; 0.7 g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 3 Hz-9 Hz, 10 cycles, 1 octave/min.; 1 g, 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 | 20 V/m (80-3000 MHz) |
| EN 61000-4-4 fast transients (burst) | 2 kV power line, 2 kV data line |
| EN 61000-4-5 surge voltage | power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line |
| EN 61000-4-6 conducted immunity | 3 V (10 kHz-150 kHz), 10 V (150 kHz-80 MHz) |
| EMC emitted immunity | |
| FCC CFR47 Part 15 | FCC 47 CFR Part 15 Class A |
| EN 55022 | EN 55022 Class A |
| Approvals | |
| Basis Standard | CE, C-Tick |
| Safety of industrial control equipment | cUL 508, GOST-R, CCC |
| Scope of delivery and accessories | |
| Scope of delivery | M12-connector (ELWIK A 5012 PG7) for power connection, description and operating instructions |
| Note | Please note that some recommended accessory parts only support a temperature range from -25 °C to +70 °C and might limit the possible operating conditions for the entire system. |
| Accessories to order separately | M12 connector, "D"-coded (934 445-001); 2 m cordset with M12-connector, "D"-coded (934 578-001); 5 m cordset with M12-connectors, "D"-coded (934 578-002); 10 m cordset with M12-connectors, "D"-coded (934 578-003); Bulkhead M12 "D"-coded to RJ45 (934 498-001); OCTOPUS dust cover set (25 pieces) (942 057-001).OCTOPUS terminalcable (943 902-001), Autokonfigurationsadapter ACA21-M12 EEC (943 913-002) |

For more information please contact:

Hirschmann Automation and Control GmbH

Stuttgarter Strasse 45-51

72654 Neckartenzlingen

Germany

Phone: +49 7127/14-1809

E-Mail: inet-sales@belden.com

The information published in the websites has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price-related/commercial respect. The complete information and data were available on user documentation. Mandatory information can only be obtained by a concrete query.