



Product information OpenOCTOPUS Gigabit Ethernet PoE - OCTOPUS OS32-0808020606TPEPHH

Industrial Ethernet:Waterproof IP67/IP54 Switches:OpenOCTOPUS:OpenOCTOPUS Gigabit Ethernet PoE

<https://e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400980/en/OS32-0808020606TPEPHH08.0/uistate>

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| Name | OpenOCTOPUS Gigabit Ethernet PoE |
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| | Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 MBit/s) ports, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 Mbit/s) SFP-slots in accordance with IEC 63076-3-106, Version 1 |
| 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, Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 MBit/s) ports, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 Mbit/s) SFP-slots in accordance with IEC 63076-3-106, Version 1 |
| Port type and quantity | 10 ports in total; uplink ports: 1000 BASE-SFP-slots acc. IEC 63076-3-106, Version 1; 8 x 10/100 BASE-TX, thereof 8 x 10/100 BASE-TX PoE (phantom power); TP-cable, auto-crossing, auto-negotiation, auto-polarity. |
| Type | OCTOPUS OS32-0808020606TPEPHH |
| Order No. | 942 069-004 |
| 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 |
| Multimode fiber (MM) 50/125 µm | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |
| Multimode fiber (MM) 62.5/125 µm | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |
| Single mode fiber (SM) 9/125 µm | see SFP LWL-Modul M-SFP-LX/LC |
| Network size - cascadiability | |
| Line - / star topology | any |
| Ring structure (HIPER-Ring) quantity switches | 50 (reconfiguration time < 0.3 sec.) |
| Power requirements | |
| Operating voltage DC | 48 VDC (46 .. 57 VDC) |
| Power consumption | 146 W |
| Current consumption at 48 V DC | 2900 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 % |



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| MTBF | 44 years; Telcordia, Gb 25 °C |
| Mechanical construction | |
| Dimensions (W x H x D) | 261 mm x 189 mm x 70 mm |
| Mounting | Wall mounting |
| Weight | 2000 g |
| Protection class | IP65, IP67 |
| 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.; 0.7 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 | GOST-R |
| Electronic mechanisms on rail-mounted vehicles | EN 50155 |
| Scope of delivery and accessories | |
| Scope of delivery | M12-connector (ELWIK A 5012 PG7) for power connection, description and operating instructions |
| 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). Fast Ethernet SFP-Transceiver: M-FAST SFP-MM/LC EEC (943 945-001), M-FAST SFP-SM/LC EEC (943 946-001), M-FAST SFP-SM+/LC EEC (943 947-001), M-FAST SFP-LH / LC EEC (943 948-001); Gigabit Ethernet SFP-Transceiver: M-SFP-SX / LC EEC (943 896-001), M-SFP-LX / LC EEC (943 897-001), M-SFP-LH / LC EEC (943 898-001), OCTOPUS terminal cable (943 902-001), Autokonfigurationsadapter ACA21-M12 EEC (943 913-002) |

For more information please contact:

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