



## Product information

### OpenOCTOPUS Fast Ethernet PoE - OCTOPUS 24M-8PoE

Industrial Ethernet:Waterproof IP67/IP54 Switches:OpenOCTOPUS:OpenOCTOPUS Fast Ethernet PoE	
<a href="https://e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400868/en/OS22-082400T5T5TPFPFH08.0/uistate">https://e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400868/en/OS22-082400T5T5TPFPFH08.0/uistate</a>	
<b>Name</b>	OpenOCTOPUS Fast Ethernet PoE
	Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports
<b>Delivery informations</b>	
<b>Availability</b>	available
<b>Product description</b>	
<b>Description</b>	Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports
<b>Port type and quantity</b>	24 ports in total; uplink ports: 10/100 BASE-TX, M12 "D"-coding, 4-pole; 24 x 10/100 BASE-TX, thereof 8 x 10/100 BASE-TX PoE (phantom power); TP-cable, auto-crossing, auto-negotiation, auto-polarity.
<b>Type</b>	OCTOPUS 24M-8PoE
<b>Order No.</b>	942 063-001
<b>More interfaces</b>	
<b>Power supply/signaling contact</b>	1 x M12 5-pin connector, A coding, 1 x M12 5-pin connector, A coding
<b>V.24 interface</b>	1 x M12 4-pin connector, A coding
<b>USB interface</b>	1 x M12 5-pin socket, A coding
<b>Network size - length of cable</b>	
<b>Twisted pair (TP)</b>	0 - 100 m
<b>Network size - cascability</b>	
<b>Line - / star topology</b>	any
<b>Ring structure (HIPER-Ring) quantity switches</b>	50 (reconfiguration time < 0.3 sec.)
<b>Power requirements</b>	
<b>Operating voltage DC</b>	48 VDC (46 .. 57 VDC)
<b>Software</b>	
<b>Management</b>	Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SFTP, SNMP v1/v2/v3, Traps
<b>Diagnostics</b>	LEDs (power 1, power 2, link status, data, redundancy manager, error) cable tester, signalling contact, RMON (statistics, history, alarms, events), SysLog support, port mirroring
<b>Configuration</b>	Command Line Interface (CLI), auto-configuration adapter, TELNET, BootP, DHCP Option 82, HiDiscovery
<b>Security</b>	Port Security (IP and MAC), SNMPv3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication
<b>Redundancy functions</b>	redundant power supply
<b>Other services</b>	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)
<b>Ambient conditions</b>	
<b>Operating temperature</b>	-40 °C ... 70 °C
<b>Storage/transport temperature</b>	-40 °C ... 85 °C
<b>Relative humidity (also condensing)</b>	10 % ... 100 %
<b>Mechanical construction</b>	
<b>Dimensions (W x H x D)</b>	338 mm x 189 mm x 70 mm
<b>Mounting</b>	Wall mounting
<b>Mechanical stability</b>	
<b>IEC 60068-2-27 shock</b>	15 g, 11 ms duration, 18 shocks
<b>IEC 60068-2-6 vibration</b>	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
<b>EMC interference immunity</b>	
<b>EN 61000-4-2 electrostatic discharge (ESD)</b>	6 kV contact discharge, 8 kV air discharge
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
<b>EMC emitted immunity</b>	
<b>FCC CFR47 Part 15</b>	FCC 47 CFR Part 15 Class A
<b>EN 55022</b>	EN 55022 Class A



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### Approvals

<b>Employment in vehicles</b>	E1
<b>Electronic mechanisms on rail-mounted vehicles</b>	EN 50155, DIN 5510-2, NF F16 101, NF F16 102
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	M12-connector (ELWIK A 5012 PG7) for power connection, description and operating instructions
<b>Accessories to order separately</b>	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),

For more information please contact:

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