




## Product information OCTOPUS OS32-0808020606TPEPHH

Industrial Ethernet:Waterproof IP67/IP54 Switches:Managed Waterproof IP67/IP54 Switches:Gigabit Ethernet Waterproof IP54 PoE Switches:OCTOPUS OS32-0808020606TPEPHH

<http://www.e-catalog.beldensolutions.com/link/57078-24455-49850-109276-211542-248141/en/conf/ui/istate>

Name	OCTOPUS OS32-0808020606TPEPHH
	
	Managed IP54 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 professional, electrical Fast-Ethernet (10/100 Mbit/s) and Gigabit-Ethernet (1000BASE-TX) SFP-slots acc. to IEC V1
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Managed IP54 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 professional, electrical Fast-Ethernet (10/100 Mbit/s) and Gigabit-Ethernet (1000BASE-TX) SFP-slots acc. to IEC V1
Port type and quantity	8 x 10/100 BASE-TX PoE (phantom power), M12 D coding, 4-pole, TP cable, auto-crossing, auto-negotiation, auto-polarity and 2 x 1000BASE-SX, -LX, -LH or 100BASE-FX
Type	OCTOPUS OS32-0808020606TPEPHH
Order No.	942 069-004
<b>More interfaces</b>	
Power supply/signaling contact	1 x M12 5-pin connector, A coding
V.24 interface	1 x M12 4-pin socket, A coding
USB interface	1 x M12 5-pin socket, A coding
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 m ... 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
<b>Network size - cascading</b>	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
<b>Power requirements</b>	
Operating voltage DC	46 V ... 57 V
Power consumption	140 W
<b>Software</b>	
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 scripting), auto-configuration adapter (ACA21-M12), TELNET, BootP, DHCP Option 82, HiDiscovery
Security	Port security (IP and MAC), SNMP V3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication
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)
Redundancy functions	HIPER-Ring (ring structure), RSTP (Rapid Spanning Tree Protocol, IEEE 802.1w), redundant network/ring coupling, redundant power supply
<b>Ambient conditions</b>	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (also condensing)	10 % ... 100 %
MTBF	44 years; Telcordia, Gb 25 °C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	261 x 189 mm x 70 mm
Mounting	Wall mounting
Weight	2000 g

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<b>Protection class</b>	IP54
<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 61000-4-3 electromagnetic field</b>	20 V/m (80-1000 MHz)
<b>EN 61000-4-4 fast transients (burst)</b>	2 kV power line, 1 kV data line
<b>EN 61000-4-5 surge voltage</b>	power line: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
<b>EN 61000-4-6 conducted immunity</b>	10 V (150 kHz-80 MHz)
<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
<b>Approvals</b>	
<b>Safety of industrial control equipment</b>	n/a
<b>Hazardous locations</b>	n/a
<b>Shipbuilding</b>	n/a
<b>Employment in vehicles</b>	E1
<b>Electronic mechanisms on rail-mounted vehicles</b>	EN 50155, EN 50121-4, DIN 5510-2, NF F 16-101, NF F 16-102
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	M12-connector (ELWIKA 5012 PG7) for power connection, description and operating instructions, CD
<b>Note</b>	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. Specially designed connector types with protection class IP 67 and extended temperature range are available on request. Furthermore unsealed accessories like RJ45 adapters or terminal access cables are certainly not suitable inside IP 67 areas.
<b>Accessories to order separately</b>	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), TP-cable with M12 connectors: EM12S 001L0200 OCTOPUS (934 578-001), EM12S 001L0500 OCTOPUS (934 578-002), EM12S 001L1000 OCTOPUS (934 578-003); others: ACA21-M12 EEC (943 913-001), EF12RJ45 OCTOPUS (934 498-001), OCTOPUS Verschlusschrauben-Set (942 057-001), SFP-Montagewerkzeug(942 079-001), EM12S OCTOPUS (934 445-001)

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