




## Product information OpenOCTOPUS Fast Ethernet - OCTOPUS OS20-001000T5T5TNEUHB

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

<https://www.e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400977/en/OS20-001000T5T5TNEUHB08.0/uistate>

Name	OpenOCTOPUS Fast Ethernet
	
	Unmanaged IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, electrical Fast-Ethernet (10/100 MBit/s) M12-ports
<b>Delivery informations</b>	
Availability	available
<b>Product description</b>	
Description	Unmanaged IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, electrical Fast-Ethernet (10/100 MBit/s) M12-ports
Port type and quantity	10 ports in total; uplink ports: 10/100 BASE-TX, M12 "D"-coding, 4-pole; 10 x 10/100 BASE-TX; TP-cable, auto-crossing, auto-negotiation, auto-polarity.
Type	OCTOPUS OS20-001000T5T5TNEUHB
Order No.	942 025-002
<b>More Interfaces</b>	
Power supply/signaling contact	1 x 7/8 inch 4-pin connector, no signaling contact
V.24 interface	n/a
USB interface	n/a
<b>Network size - length of cable</b>	
Twisted pair (TP)	0 - 100 m
<b>Network size - cascading</b>	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	n/a
<b>Power requirements</b>	
Operating voltage DC	72/110 VDC -30% / +25% (50,4 VDC .. 138 VDC)
Power consumption	10 W
Current consumption at 72 V DC	110 mA
Current consumption at 110 V DC	100 mA
<b>Software</b>	
Diagnostics	LEDs (power, link status, data)
Configuration	n/a
Security	n/a
<b>Ambient conditions</b>	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (also condensing)	10 % ... 100 %
MTBF	78 years; Telcordia; Gb 25°C
<b>Mechanical construction</b>	
Dimensions (W x H x D)	184 mm x 189 mm x 70 mm
Mounting	Wall mounting
Weight	1900 g
Protection class	IP54
<b>Mechanical stability</b>	
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
<b>EMC interference immunity</b>	
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



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<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>	3 V (10 kHz-150 kHz), 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>Basis Standard</b>	CE, C-Tick
<b>Safety of industrial control equipment</b>	GOST-R
<b>Electronic mechanisms on rail-mounted vehicles</b>	EN 50121-4, EN 50155, EN 45545, DIN 5510-2, NF F 16-101, NF F 16-102
<b>Scope of delivery and accessories</b>	
<b>Scope of delivery</b>	description and operating instructions
<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.
<b>Accessories to order separately</b>	M12 conector, "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).7/8" 4-pole,female connector (942 086-004);

For more information please contact:

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