




Product information OpenOCTOPUS Fast Ethernet - OCTOPUS OS20-001000T5T5TAFUHB

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

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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
Delivery informations	
Availability	available
Product description	
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 OS20-001000T5T5TAFUHB
Order No.	942 025-001
More Interfaces	
Power supply/signaling contact	1 x M12 5-pin connector, A coding, no signaling contact
V.24 interface	n/a
USB interface	n/a
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Network size - cascading	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	n/a
Power requirements	
Operating voltage DC	24/36/48 VDC -60% / +25% (9,6..60 VDC)
Power consumption	6 W
Current consumption at 24 V DC	220 mA
Current consumption at 48 V DC	120 mA
Software	
Diagnostics	LEDs (power 1, power 2, link status, data)
Configuration	n/a
Security	n/a
Redundancy functions	redundant power supply
Ambient conditions	
Operating temperature	-40 °C ... 70 °C
Storage/transport temperature	-40 °C ... 85 °C
Relative humidity (also condensing)	10 % ... 100 %
MTBF	30 years; MIL-HDBK 217F; Gb 25°C
Mechanical construction	
Dimensions (W x H x D)	184 mm x 189 mm x 70 mm
Mounting	Wall mounting
Weight	1100 g
Protection class	IP54
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)



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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	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
Employment in vehicles	E1
Electronic mechanisms on rail-mounted vehicles	EN 50121-4, EN 50155, EN 45545, DIN 5510-2, NF F 16-101, NF F 16-102
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).

For more information please contact:

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