



Product information
OCTOPUS OS20-001000T5T5TNEUHB
942 025-002

Name	
OCTOPUS OS20-001000T5T5TNEUHB	
	
Unmanaged switch in accordance with IEEE 802.3, store-and-forward-switching, Fast-Ethernet (10/100 Mbit/s) ports.	
Delivery informations	
Availability	available
Product description	
Description	Unmanaged switch in accordance with IEEE 802.3, store-and-forward-switching, Fast-Ethernet (10/100 Mbit/s) ports.
Port type and quantity	10 x 10/100 BASE-TX, M12 D coding, 4-pole, TP cable auto-crossing, auto-negotiation, auto-polarity
Type	OCTOPUS OS20-001000T5T5TNEUHB
Order No.	942 025-002
More interfaces	
Power supply/signaling contact	1 x 7/8 inch 4-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 m ... 100 m
Multimode fiber (MM) 50/125 µm	n/a
Multimode fiber (MM) 62.5/125 µm	n/a
Single mode fiber (SM) 9/125 µm	n/a
Network size - cascading	
Line - / star topology	any
Ring structure (HIPER-Ring) quantity switches	n/a
Power requirements	
Operating voltage DC	72 V ... 110 V
Power consumption	10 W
Current consumption at 72 V DC	110 mA
Current consumption at 110 V DC	100 mA
Software	
Diagnostics	LEDs (power, link status, data)
Configuration	n/a
Security	n/a
Redundancy functions	n/a
Ambient conditions	
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
Mechanical construction	
Dimensions (W x H x D)	184 mm x 189 mm x 70 mm
Mounting	Wall mounting
Weight	1900 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

The information published has been compiled as carefully as possible. It is subject to alteration without notice in technical as well as in price related/commercial respect.



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		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		
Safety of industrial control equipment		cUL 60950-1 (pending)
Hazardous locations		n/a
Shipbuilding		n/a
Employment in vehicles		n/a
Electronic mechanisms on rail-mounted vehicles		EN 50155, EN 50121-4, DIN 5510-2, NF F 16-101, NF F 16-102
Scope of delivery and accessories		
Scope of delivery		M12-connector (ELWIK 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		7/8" 4-pole, female connector (942 086-004) 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)

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