




**Product information**  
**OCTOPUS OS24-081000T5T5TFFUHB**  
**942 025-003**

Name		OCTOPUS OS24-081000T5T5TFFUHB
		
		Unmanaged switch in accordance with IEEE 802.3, store-and-forward-switching, Fast-Ethernet (10/100 Mbit/s) ports, power sourcing equipment in accordance with IEEE 802.3at (inline power) total PoE power max. 62W
<b>Delivery informations</b>		
Availability	available	
<b>Product description</b>		
Description	Unmanaged switch in accordance with IEEE 802.3, store-and-forward-switching, Fast-Ethernet (10/100 Mbit/s) ports, power sourcing equipment in accordance with IEEE 802.3at (inline power) total PoE power max. 62W	
Port type and quantity	8 x 10/100 Base-TX PoE (Phantom Power) and 2 x 10/100 Base-TX, M12 D-coded 4-pole, TP-cable, autocrossing, autonegotiation, autopolarity	
Type	OCTOPUS OS24-081000T5T5TFFUHB	
Order No.	942 025-003	
<b>More Interfaces</b>		
Power supply/signaling contact	1 x 7/8 inch 5-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 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	
<b>Network size - cascading</b>		
Line - / star topology	any	
Ring structure (HIPER-Ring) quantity switches	n/a	
<b>Power requirements</b>		
Operating voltage DC	24 V ... 48 V	
Power consumption	80 W	
Current consumption at 24 V DC	3100 mA	
Current consumption at 48 V DC	1600 mA	
<b>Software</b>		
Diagnostics	LEDs (power 1, power 2, link status, data, error)	
Configuration	n/a	
Security	n/a	
Redundancy functions	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	30 years; MIL-HDBK 217F: 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, 5 Hz-13.2 Hz, 90 min.; 0.7g, 13.2 Hz-100 Hz, 90 min.; 3.5 mm, 5 Hz-8.4 Hz, 10 cycles, 1 octave/min.; 1g, 8.4 Hz-150 Hz, 10 cycles, 1 octave/min.	

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.



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 (80-2700 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	Germanischer Lloyd (pending)
Employment in vehicles	E1 (pending)
Electronic mechanisms on rail-mounted vehicles	EN 50155, EN 50121-4, DIN 5510-2, NF F 16-101, NF F 16-102, EN 45545 (pending)
Scope of delivery and accessories	
Scope of delivery	Description and operating instructions, collapsible ferrite
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" 5-pole, female connector (942 086-005); 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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