




Product information
OCTOPUS OS20-001000T5T5TAFUHB
942 025-001

Name		OCTOPUS OS20-001000T5T5TAFUHB
		
		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 OS20-001000T5T5TAFUHB
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 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		24 V ... 48 V
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		n/a
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

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	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
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	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)