



Product information
OCTOPUS 5TX EEC

Name		OCTOPUS 5TX EEC
		
		IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Delivery informations		
Availability		available
Product description		
Description		IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity		5 x 10/100 BASE-TX, M12 D coding, 4-pole, TP cable auto-crossing, auto-negotiation, auto-polarity
Type		OCTOPUS 5TX EEC
Order No.		943 892-001
More Interfaces		
Power supply/signaling contact		1 x M12 5-pin connector, A coding / no signal contact (fault relais)
V.24 interface		n/a
USB interface		n/a
Network size - length of cable		
Twisted pair (TP)		0 - 100 m
Multimode fiber (MM) 50/125 µm		n/a
Multimode fiber (MM) 62.5/125 µm		n/a
Network size - cascadiability		
Line - / star topology		Any
Ring structure (HIPER-Ring) quantity switches		n/a
Power requirements		
Operating voltage		DC 9.6 to 32 V
Power consumption		max. 2.4 W
Current consumption at 24 V DC		max. 100 mA
Current consumption at 48 V DC		n/a
Service		
Management		n/a
Diagnostics		LEDs (power, link status, data)
Configuration		n/a
Security		n/a
Other services		n/a
Redundancy		
Redundancy functions		n/a
Ambient conditions		
Operating temperature		-40 °C to +70 °C
Storage/transport temperature		-40 °C to +85 °C
MTBF		135.6 years; MIL-HDBK 217F: Gb 25 °C
Mechanical construction		
Dimensions (W x H x D)		60 mm x 126 mm x 31 mm
Mounting		Wall mounting
Weight		210 g
Protection class		IP 67
Mechanical stability		
IEC 60068-2-27 shock		15 g, 11 ms duration, 18 shocks
IEC 60068-2-6 vibration		3.5 mm, 3 Hz - 9 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.



	1g, 9 Hz - 150 Hz, 10 cycles, 1 octave/min.
EMC interference immunity	
EN 61000-4-2 electrostatic discharge (ESD)	4 kV contact discharge, 8 kV air discharge
EN 61000-4-3 electromagnetic field	10 V/m (80 - 1000 MHz)
EN 61000-4-4 fast transients (burst)	2 kV power line, 1 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 CFR47 Part 15 Class A
EN 55022	EN 55022 Class A
Approvals	
Safety of industrial control equipment	cUL 508
Employment in vehicles	E1
Scope of delivery and accessories	
Scope of delivery	2 x covers for sealing unused ports, M12-connector (ELWIK A 5012 PG7) for power connection, description and operating instructions
Accessories to order separately	n/a
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. Specially designed connector types with protection class IP67 and extended temperature range are available on request. Furthermore unsealed accessories like RJ45 adapters or terminal access cables are certainly not suitable inside IP67 areas.

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