



OCTOPUS 5TX EEC

Industrial Networking:Industrial Ethernet:OCTOPUS System IP67:Switch

Product description	
Description	IP67 switch in accordance with IEEE 802.3, store and forward switching mode, 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, 2-pair TP cable auto-crossing, auto-negotiation, auto-polarity
Type	OCTOPUS 5TX EEC
Order No.	943 892-001
More Interfaces	
Power supply/signaling contact	1 M12 A coding 5-pole / no signal contact (fault relais)
Network size - length of cable	
Twisted pair (TP)	0 - 100 m
Network size - cascability	
Line - / star topology	any
Power requirements	
Operating voltage	9.6 to 32 V DC
Power consumption	max. 2.4 W
Current consumption at 24 V DC	max. 100 mA
Service	
Diagnostics	LEDs (power, link status, data)
Ambient conditions	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +70 °C
MTBF	143.6 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.; 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: 2kV (linie/earth), 1 kV (linie/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 (E175537) in preparation
Employment in vehicles	E1 (in preparation)
Electronic mechanisms on rail-mounted vehicles	EN 50155
Scope of delivery and accessories	

Scope of delivery

2x covers for unused ports, labels, 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. 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.