

h HIRSCHMANN

Product information OCTOPUS 8M 943 931-001

Nama	
Name	OCTOPUS 8M
	Managed IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 professional, Ethernet (10 Mbit/s) and Fast-Ethernet (1
	Mbit/s)
Delivery informations	
Availability	available
Product description	
Description	Managed IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 professional, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s)
Port type and quantity	8 x 10/100 BASE-TX, M12 D coding, 4-pole, TP cable auto-crossing, auto-negotiation, auto-polarity
Гуре	OCTOPUS 8M
Order No.	943 931-001
Nore Interfaces	
ower supply/signaling contact	1 x M12 5-pin connector, A coding
.24 interface	1 x M12 4-pin socket, A coding
SB interface	1 x M12 5-pin socket, A coding
letwork size - length of cable	
wisted pair (TP)	0 - 100 m
/ultimode fiber (MM) 50/125 μm	n/a
Aultimode fiber (MM) 62.5/125 μm	n/a
letwork size - cascadibility	
ine - / star topology	Any
ling structure (HIPER-Ring) quantity switches	50 (reconfiguration time < 0.3 sec.)
ower requirements	
perating voltage	DC 9.6 to 60 V
ower consumption	max. 6.2 W
Current consumption at 24 V DC	200 mA
Current consumption at 48 V DC	n/a
ervice	
Aanagement Diagnostics	Serial interface, Web interface, SNMP V1/V2/V3 (HiVision/Industrial HiVision) LEDs (power 1, power 2, link status, data, redundancy manager, error) cable tester, signalling contact, RMON (statistics, history, alarms, events), SysLog
Configuration	support, port mirroring Command Line Interface (CLI scripting), auto-configuration adapter (ACA21-M12), TELNET, BootP, DHCP Option 82, HiDiscovery
Security	Port security (MAC and IP address), SNMPv3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication
Dther services	4 QoS queues, user priority (IEEE 802.1D/p), VLAN (IEEE 802.1Q), unknown multicast filtering, multicast support (IGMP Snooping/Querier, GMRP), broadcast
	For the second secon
ledundancy	
edundancy functions	HIPER-Ring (ring structure), RSTP (Rapid Spanning Tree Protocol, IEEE 802.1w), redundant network/ring coupling, redundant power supply
Imbient conditions	
Operating temperature	-40 °C to +70 °C
Storage/transport temperature	-40 °C to +85 °C
MTBF	27,6 Jahre; MIL-HDBK 217F: Gb 25 °C

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.



Mechanical construction	
Dimensions (W x H x D)	184 mm x 189 mm x 70 mm
Mounting	Wall mounting
Weight	1300 q
Protection class	IP 67
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.; 0.7g, 13.2 Hz - 100 Hz, 90 min.;
	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: 2 kV (line/earth), 1 kV (line/line), 1 kV data line
EN 61000-4-6 conducted immunity	3 V (10 kHz - 150 kHz), 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
Shipbuilding	Germanischer Lloyd
Employment in vehicles	E1
Electronic mechanisms on rail-mounted vehicles	DIN 5510-2, NF F 16-101, NF F 16-102
Scope of delivery and accessories	
Scope of delivery	M12-connector (ELWIKA 5012 PG7) for power connection, description and operating instructions
Accessories to order separately	Auto Configuration Adapter (ACA21-M12), order no. 943 931-001; modem cable (OCTOPUS Terminalkabel), order no. 943 902-001; field assembleable M12-
	connector (EM12S OCTOPUS), order no. 934 445-001; patchcords (EM12S 001Lxxxx OCTOPUS), order no. 934 578-xxx; crossing M12 to RJ45 (EF12RJ45
	OCTOPUS), order no. 934 498-001; OCTOPUS dust cover set (25 pieces) order no. 942 057-001
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 IP 67 and extended temperature range are available on request. Furthermore
	unsealed accessories like RJ45 adapters or terminal access cables are certainly not suitable inside IP 67 areas.

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