Datasheet

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Product Information OCTOPUS 8TX-EEC

Product Description	
Type	**OCTOPUS 8TX-EEC**
Description	IP67/IP65 switch in accordance with IEEE 802.3, store-and-forward-switching, Ethernet (10 Mbit/s) and Fast-Ethernet (100 Mbit/s), 1.5 MB packet buffer, 16k MAC address table, 4 QoS queues
Port Type and Quantity	8 x 10/100 BASE-TX, M12 D-coding, 4-pole, TP cable, auto-crossing, auto-negotiation, auto-polarity
Order No.	942 150-001
More Interfaces	
Power Supply/Signaling Contact	1 x M12 5-pin connector, A-coding/no signal contact
USB Interface	1 x M12 5-pin socket, A-coding
V.24 Interface	n.a.
Network Size – Length of Cable	
Twisted Pair (TP)	0 to 100 m
Network Size – Cascadibility	
Line-/Star Topology	Any
Ring Structure (HIPER-Ring)	n.a.
Power Requirements	
Operating Voltage	9 to 32 V DC
Current Consumption at 24 V DC	175 mA
Power Consumption	max. 4.2 W
Software	
Management	n.a.
Diagnostics	LEDs (power, link status, data)
Configuration	Switch: aging time, Qos 802.1p mapping, QoS DSCP mapping. Per port: port state, flow control, broadcast mode, multicast mode, jumbo frames, QoS trust mode, port-based priority, auto-negociation, data rate, duplex mode, auto-crossing, MDI state
Security	Broadcast threshold, multicast threshold, port disable
Other Services	n.a.
Redundancy Functions	n.a.
Ambient Conditions	
Operation Temperature	-40 ºC to +70 ºC
Storage/Transport Temperature	-40 ºC to +85 ºC
Relative Humidity (also condensing)	5% to 100%
MTBF	www.hirschmann.com
Mechanical Construction	
Dimensions (W x H x D)	60 x 200 x 31 mm
Mounting	Wall mounting
Weight	470 g
Protection Class	IP65, IP67
Approvals	
Safety of Industrial Control Equipment	UL 61010-1, UL 61010-2-201
Rolling Stock and Along Track	EN 50155, EN 45545, EN 50121-4, ECE-R 118
Scope of Delivery and Accessories	
Scope of Delivery	M12-connector (ELWIKA 5012 PG7) for power connection, description and operating instructions, protective caps on M12 ports (Ethernet)
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 metal dust cover set (25 pieces, 942 057-001), OCTOPUS plastic dust cover set (25 pieces, 942 057-002), autokonfiguration adapter ACA22-M12 (EEC) (942 125-001), M12 - USB adapter cable (942 199-001).*

* Please note that some recommended accessory parts only support a temperature range from -25 ºC to +70 ºC 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 re-quest. Furthermore unsealed accessories like RJ45 adapters or terminal access cables are certainly not suitable inside IP67 areas.

The information/details merely contain general descriptions or performance factors which, when applied in an actual situation, do not always correspond with the described form, and may be amended by way of the further development of products.

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