



## Product information OpenOCTOPUS Fast Ethernet PoE - OCTOPUS OS24-080900T5T5TFFBHH

Industrial Ethernet:Waterproof IP67/IP54 Switches:OpenOCTOPUS:OpenOCTOPUS Fast Ethernet PoE  
<https://e-catalog.beldensolutions.com:443/link/57078-24455-49850-351255-400868/en/OS24-080900T5T5TFFBHH08.0/uistate>

Name OpenOCTOPUS Fast Ethernet PoE



Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Basic, power sourcing equipment in accordance with IEEE 802.3at (PoE+ inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports

### Delivery informations

Availability available

### Product description

Description Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Basic, power sourcing equipment in accordance with IEEE 802.3at (PoE+ inline power), electrical Fast-Ethernet (10/100 MBit/s) M12-ports

Port type and quantity 9 ports in total; uplink ports: 10/100 BASE-TX, M12 "D"-coding, 4-pole; 9 x 10/100 BASE-TX, thereof 8 x 10/100 BASE-TX PoE (phantom power); TP-cable, auto-crossing, auto-negotiation, auto-polarity.

Type OCTOPUS OS24-080900T5T5TFFBHH

Order No. 942 025-007

### More Interfaces

Power supply/signaling contact 1 x 7/8 inch 5-pin connector, 1 x M12 5-pin connector, A coding

V.24 interface 1 x M12 4-pin connector, A coding

USB interface n/a

### Network size - length of cable

Twisted pair (TP) 0 - 100 m

### Network size - cascading

Line - / star topology any

Ring structure (HIPER-Ring) quantity switches 50 (reconfiguration time < 0.3 sec.)

### Power requirements

Operating voltage DC 24/36/48 VDC -30% / +25% (16,8 .. 60 VDC)

Power consumption 80 W

Current consumption at 24 V DC 3100 mA

Current consumption at 48 V DC 1600 mA

### Software

Management Serial interface V.24 web-interface, Telnet, SSHv2, HTTP, HTTPS, TFTP, SFTP, SNMP v1/v2/v3, Traps

Diagnostics LEDs (power 1, power 2, link status, data, redundancy manager, error) signalling contact, RMON (statistics, history, alarms, events), SysLog support, port mirroring

Configuration Command Line Interface (CLI), auto-configuration adapter, TELNET, BootP, DHCP Option 82, HiDiscovery

Security SNMP V3 (no encryption)

Redundancy functions redundant power supply

Other services 4 QoS queues, user priority (IEEE 802.1D/p), multicast support (IGMP Snooping/Querier)

### 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 1900 g

Protection class IP65, IP67



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### 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
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	3 V (10 kHz-150 kHz), 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

Basis Standard	CE, C-Tick
Safety of industrial control equipment	GOST-R
Employment in vehicles	E1
Electronic mechanisms on rail-mounted vehicles	EN 50155, DIN 5510-2, NF F16 101, NF F16 102

### Scope of delivery and accessories

Scope of delivery	description and operating instructions
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). 7/8" 5-pole, female connector (942 086-005); OCTOPUS terminal cable (943 902-001), Autokonfigurationsadapter ACA11-M12 (EEC) (943 972-001)

For more information please contact:

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