



Part Number: OS24-080900T5T5TFFBHH

Managed IP67 PoE-Switch, 9 ports, supply voltage 24 VDC, Software L2B, train approvals

Product 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

Technical Specifications

Product description

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| Type: | OCTOPUS OS24-080900T5T5TFFBHH |
| Description: | The OCTOPUS switches are suited for outdoor applications with rough environmental conditions. Because of the branch typical approvals they can be used in transport applications (E1), as well as in trains (EN 50155) and ships (GL). |
| Part Number: | 942025007 |
| 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. |

More Interfaces

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| 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 |

Network size - length of cable

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| Twisted pair (TP): | 0-100 m |
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Network size - cascading

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| Line - / star topology: | any |
| Ring structure (HIPER-Ring) quantity switches: | 50 (reconfiguration time 0.3 sec.) |

Power requirements

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| Operating Voltage: | 24/36/48 VDC -30% / +25% (16,8 .. 60 VDC) |
| Power consumption: | max. 80 W with 60W PoE output |
| Power output in Btu (IT) / h: | max. 68 |
| Redundancy functions: | redundant power supply |

Software

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| 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) |

Ambient conditions

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| MTBF (Telcordia SR-332: Gb 25 °C): | 63 Years |
| Operating temperature: | -40-+70 °C |
| 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. |

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| Storage/transport temperature: | -40-+70 °C |
| Relative humidity (also condensing): | 5-100 % |

Mechanical construction

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| Weight: | 1900 g |
| Mounting: | Wall mounting |
| Protection class: | IP65, IP67 |

Mechanical stability

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| 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 |
| IEC 60068-2-27 shock: | 15 g, 11 ms duration, 18 shocks |

EMC interference immunity

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| 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

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| EN 55032: | EN 55032 Class A |
| FCC CFR47 Part 15: | FCC 47CFR Part 15, Class A |

Approvals

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| Basis Standard: | CE, EAC, Australian Regulatory Compliance Mark (RCM) |
| Safety of industrial control equipment: | cUL 60950 |
| Railway norm: | EN 50155, EN 45545-2, EN 50121-4 |
| Transportation: | E1 |

Scope of delivery and accessories

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| Accessories to Order Separately: | ACA11-M12 (EEC) (943 972-001), 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)* |
| Scope of delivery: | 1 × Device, 1 x connector for power connection, General safety instructions |
| Update and Revision: | Revision Number: 0.30 Revision Date: 07-11-2019 |

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