



Product: [OS32-081602O6O6TPEPHH](#) 

Managed IP67 PoE-Swich, 18 ports, supply voltage 48 VDC, Software L2P, train approvals

Product Description

Managed IP 65 / IP 67 switch in accordance with IEEE 802.3, store-and-forward-switching, software layer 2 Professional, Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 MBit/s) ports, power sourcing equipment in accordance with IEEE 802.3af (PoE inline power), electrical Fast-Ethernet (10/100 MBit/s) and Gigabit-Ethernet (1000 Mbit/s) SFP-slots in accordance with IEC 63076-3-106, Version 1

Technical Specifications

Product description

| | |
|-------------------------|---|
| Type: | OS32-081602O6O6TPEPHH |
| Part Number: | 942069003 |
| Port type and quantity: | 18 ports in total uplink ports: 1000 BASE-SFP-slots acc. IEC 63076-3-106, Version 1 16 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 M12 5-pin connector, A coding, |
| V.24 interface: | 1 x M12 4-pin connector, A coding |
| USB interface: | 1 x M12 5-pin socket, A coding |

Network size - length of cable

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|-----------------------------------|---|
| Twisted pair (TP): | 0-100 m |
| Single mode fiber (SM) 9/125 µm: | see SFP LWL-Modul M-SFP-LX/LC |
| Multimode fiber (MM) 50/125 µm: | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |
| Multimode fiber (MM) 62.5/125 µm: | see SFP LWL-Modul M-SFP-SX/LC and M-SFP-LX/LC |

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: | 48 VDC (46 .. 57 VDC) |
| Power consumption: | max. 145 W with 120 W PoE output |
| Power output in BTU (IT)/h: | max. 67 |
| 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) cable tester, 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: | Port Security (IP and MAC), SNMPv3, SSHv3, SNMP access settings (VLAN/IP), IEEE 802.1X authentication |

Ambient conditions

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| MTBF (Telecordia SR-332 Issue 3) @ 25°C: | 44 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. |
| Storage/transport temperature: | -40-+85 °C |
| Relative humidity (also condensing): | 10-100 % |

Mechanical construction

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|---------------------|-------------------------|
| Dimensions (WxHxD): | 261 mm x 189 mm x 70 mm |
| Weight: | 1700 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) |
| 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: | ACA22-M12 (EEC) (942 125-001), 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 |

Further Instructions

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|------------------------|---|
| Product Documentation: | https://www.doc.hirschmann.com |
| Certificates: | https://www.doc.hirschmann.com/certificates.html |
| Update and Revision: | Revision Number: 0.49 Revision Date: 03-11-2021 |

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