HIRSCHMANN
A BELDEN BRAND

Part Number: OS32-080802O6O6TPEPHH

Managed IP67 PoE-Swich, 10 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:	OS32-080802O6O6TPEPHH
Part Number:	942069004
Port type and quantity:	10 ports in total uplink ports: 1000 BASE-SFP-slots acc. IEC 63076-3-106, Version 1 8 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

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

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 - cascadibility

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

Power requirements

Operating Voltage:	48 VDC (46 .. 57 VDC)
Power consumption:	max. 140 W with 120 W PoE output
Power output in Btu (IT) / h:	max. 52
Redundancy functions:	redundant power supply

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) 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

MTBF (Telcordia SR-332: Gb 25 ºC):	53 Years
Operating temperature:	-40-+70 °C
Note:	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.
Storage/transport temperature:	-40-+85 °C
Relative humidity (also condensing):	10-100 %

Mechanical construction

Weight:	1000 g
Mounting:	Wall mounting
Protection class:	IP65, IP67

Mechanical stability

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

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

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

Approvals

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

Accessories to Order Separately:	ACA22-M12 (EEC) (942 125-001), M12 conector, "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: 0.34 Revision Date: 07-22-2019