

FL SWITCH MM HS

Order No.: 2832328




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2832328>

Modular switch system, head station, can be expanded to 24 Ethernet ports



Commercial data

| | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 929091 |
| Note | Made-to-order |
| sales group | K000 |
| Pack | 1 pcs. |
| Customs tariff | 85176200 |
| Catalog page information | Page 187 (AX-2009) |

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Technical data

Interfaces

| | |
|----------------------|--|
| Interface | Ethernet |
| No. of ports | 8 (Can be extended to a maximum of 24 ports) |
| Type of connection | 8 ports via FL IF (interface) modules |
| Transmission physics | Copper |
| Transmission speed | 10/100 MBit/s |
| Interface | Ethernet FO |
| No. of ports | 8 (Can be extended to a maximum of 24 ports) |

| | |
|----------------------|--|
| Type of connection | Via interface modules |
| Transmission physics | Multimode glass fiber |
| Transmission speed | 100 MBit/s (full duplex) |
| Transmission length | Up to 10000 m (depending on the fiber used) |
| | 1300 nm |
| Interface | Serial (V.24 (RS-232)) |
| Type of connection | V.24 (RS-232-C), 6-pos. MINI-DIN female connector (PS/2) |

Function

| | |
|----------------------------------|--|
| Basic functions | Store and forward switch complies with IEEE 802.3 2 priority classes in acc. with IEEE 802.1 P TCP/IP protocol, BootP-capable, port-mirroring, integrated web server function, multicast filtering, IGMP snooping, VLAN, Rapid Spanning Tree (RSTP), port security, PROFINET-IO-device, DHCP option 82 relay agent |
| Management | Integrated Management Agent, SNMP protocol (private MIB, MIB-2, RMON MIB, Bridge MIB), integrated Web server function |
| Supported browsers | Internet Explorer 5.5 or higher |
| Redundancy | Spanning Tree 802.1d, Rapid Spanning Tree 802.1w, Fast Ring Detection, Media Redundancy Protocol (MRP) as per IEC 62439 |
| Status and diagnostic indicators | Per Ethernet 2 status LEDs: LINK and switch-over Status Activity, 100, full duplex, supply voltage U_{S1} und U_{S2} (redundant supply voltage) and FAIL, two-digit 7-segment display |

Network expansion parameters

| | |
|--|--|
| Cascading depth | Network, linear, and star structure: any |
| Maximum conductor length ((twisted pair) | 100 m |

Supply voltage

| | |
|-----------------------------|--|
| Supply voltage | 24 V DC |
| Residual ripple | 3.6 V _{PP} (within the permitted voltage range) |
| Supply voltage range | 18.5 V DC ... 30.2 V DC |
| Typical current consumption | 350 mA (Up to 3500 mA, depending on the configuration) |
| Max. current consumption | 3.5 A |

Mechanical tests

| | |
|--------------|--|
| Type of test | Shock test in acc. with IEC 60068-2-27 |
| Test result | Operation: 25 g, 11 ms duration, semi-sinusoidal shock impulse |
| Type of test | Shock test in acc. with IEC 60068-2-27 |
| Test result | Storage/Transport: 50 g, 11 ms duration, semi-sinusoidal shock impulse |
| Type of test | Vibration resistance in acc. with IEC 60068-2-6 |

| | |
|--------------|---|
| Test result | Operation/Storage/Transport: 5 g, 150 Hz, Criterion 3 |
| Type of test | Free fall in acc. with IEC 60068-2-32 |
| Test result | 1 m |

Conformity with EMC directives

| | |
|---------------|--|
| Test standard | IEC 61000-4-2 (ESD) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-3 (immunity to radiated interference) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-4 (burst) |
| Test result | Criterion A |
| Test standard | IEC 61000-4-5 (surge) |
| Test result | Criterion B |
| Test standard | IEC 61000-4-6 (immunity to conducted interference) |
| Test result | Criterion A |
| Test standard | EN 55022 (emitted interference) |
| Test result | Class A |

General data

| | |
|--|--|
| Weight | 1350 g |
| Width | 214 mm |
| Height | 95 mm |
| Depth | 115 mm |
| Degree of protection | IP20 |
| Ambient temperature (operation) | 0 °C ... 55 °C (no condensation) |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Permissible humidity (operation) | 10 % ... 95 % (no condensation) |
| Permissible humidity (storage/transport) | 10 % ... 95 % (no condensation) |
| Air pressure (operation) | 80 kPa ... 108 kPa (2000 above sea level) |
| Air pressure (storage/transport) | 70 kPa ... 108 kPa (3000 above sea level) |
| Housing material | Zinc die-cast, surface bronzed and nickel-plated |
| Noise emission | EN 61000-6-3/-4 |
| Noise immunity | EN 61000-6-2:2005 |

Certificates / Approvals



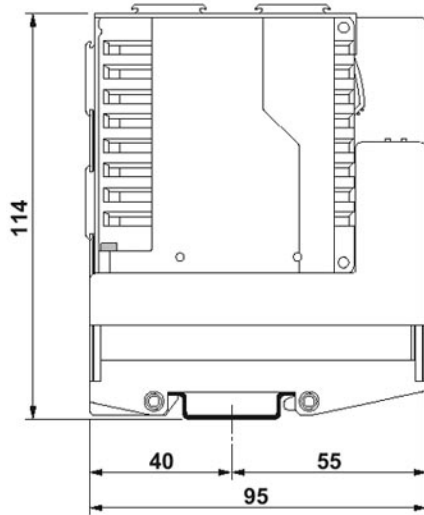
Certification ABS, CUL, GOST, UL
 Certification Ex: CUL-EX LIS, UL-EX LIS

Accessories

| Item | Designation | Description |
|----------------|-----------------------|--|
| General | | |
| 2832425 | FL IF 2FX SC-D | FO media module for connecting 100Base-FX multimode glass fibers (1300 nm), connection direction downwards |
| 2832412 | FL IF 2FX SC-F | FO media module for connecting 100Base-FX multimode glass fibers (1300 nm), connection direction forwards |
| 2832205 | FL IF 2FX SM SC-D | FO interface module for connecting single mode (monomode) glass fibers (1300 nm) to the Factoryline Modular Managed Switch, output downwards |
| 2884033 | FL IF 2FX ST-D | Interface module |
| 2832742 | FL IF 2HCS 100-D | Interface module, 2 ports, 100 Mbps, full duplex, for the Modular Managed Switch System, exit downward |
| 2832852 | FL IF 2POF 10/100-D | Interface module, 2 ports, 10/100 Mbps, autonegotiation for the Modular Managed Switch System, exit downward |
| 2891084 | FL IF 2POF SCRJ-D | Interface modules, 2 ports, SCRJ for POF/HCS, diagnosis-capable |
| 2832357 | FL IF 2TX VS-RJ-D | Media module with two twisted pair ports for the modular managed switch system |
| 2832344 | FL IF 2TX VS-RJ-F | Media module with two twisted-pair ports for the modular managed switch system, output towards the front |
| 2832483 | FL IF MEM 2TX-D | Memory module, 2 port twisted pair module for saving the switch configuration |
| 2832739 | FL IF TX/HCS 100-D | Interface module, one port twisted pair, one port HCS, exit downward |
| 2832807 | FL IF TX/POF 10/100-D | Interface module, one port twisted pair, one port POF, exit downward |
| 2832331 | FL MXT | Expansion, 8 Ethernet ports |

Diagrams/Drawings

Dimensioned drawing



The illustration shows the head station FL SWITCH MM HS with interface module

Address

PHOENIX CONTACT Deutschland GmbH
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



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