

MCSESM103F2CS0

network switch, Modicon Networking,
managed, 8 ports for copper with 2 ports for
fiber optic, singlemode



Main

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|---------------------------------------|--|
| Range of product | Modicon |
| Product or component type | Ethernet TCP/IP managed switch |
| Concept | Transparent Ready |
| Communication port protocol | Ethernet TCP/IP SSH HTTP HTTPS SNMP RS232 SFTP SCP LLDP Telnet SNTP |
| Port Ethernet | 100BASE-FX - 2 port(s) fiber optic 10/100BASE-TX - 8 port(s) copper cable |
| Maximum number of switches in cascade | Unlimited |
| Cybersecurity | Port hardening IP-based port security MAC-based port security Port-based access control Role-based access control RADIUS assignment HTTPS DoS prevention VLAN-based ACL Audit trail SNMP logging Pre-login banner |

Complementary

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| Integrated connection type | Duplex SC fiber optic Shielded RJ45 copper cable |
| Transmission support medium | Single mode optical fiber for fiber optic Twisted shielded pairs cable CAT 5E for copper cable |
| Maximum cable distance between devices | 100 m copper cable |
| Optic fiber length | 32.5 km 9/125 μm |
| Attenuation | 0...16 dB (9/125 μm) |
| Ethernet service | Configuration via web server VLAN Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG |
| Communication service | TFTP Quality of Service (QoS) Port monitoring Port mirroring Address conflict detection |
| Diagnostics run time | Signal contact Self test MAC notification |
| Maximum number of switches in a ring | 50 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| Redundancy | HiPER ring RSTP Link aggregation Link backup Redundant network coupling MRP |
| [Us] rated supply voltage | 12...24 V |
| Supply voltage limits | 9.6...32 V DC SELV |
| Power consumption in W | 8 W |
| Electrical connection | Removable connector 6 ways power supply |
| Mounting support | 35 mm symmetrical DIN rail |
| Marking | CE CULus RCM |
| Function available | Security status Alarms (Traps) System information Report |
| Local signalling | 1 dual colour LED (green/yellow) for P1 P2 power supplies 1 dual colour LED (green/red) for device status 1 dual colour LED (green/yellow) for memory key status 1 dual colour LED (green/yellow) for channel diagnostic |
| Alarm output | 1 voltfree contact 1 A |
| Alarm function | Power supply fault Data link status Switch fault Temperature threshold Redundancy ring fault Incorrect configuration External memory removed |
| Ethernet cabling system | TF switches |
| Width | 73 mm |
| Height | 142.8 mm |
| Depth | 117.6 mm |
| Net weight | 0.50 kg |

Environment

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| Ambient air temperature for operation | 0...60 °C |
| Relative humidity | 1...95 % non-condensing |
| IP degree of protection | IP30 |
| Directives | 2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility |
| Standards | UL 61010-2-201 EN/IEC 61131-2 EN/IEC 62368-1 |
| Product certifications | CE[RETURN]UL[RETURN]RCM[RETURN]DNV[RETURN]ATEX |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 16.0 cm |
| Package 1 Width | 13.0 cm |
| Package 1 Length | 23.5 cm |
| Package 1 Weight | 726.0 g |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 8 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 40.0 cm |
| Package 2 Length | 60.0 cm |
| Package 2 Weight | 6.656 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS Declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| California proposition 65 | "WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov " |

Contractual warranty

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| Warranty | 18 months |
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Dimensions

