# Product data sheet

Specifications

Green Premium™

## network switch, Modicon Networking, managed, 8 ports for copper with 4Gigabit SFP

MCSESM123F2LG0

Product availability: Stock - Normally stocked in distribution facility

## Main

| | |
|---|---|
| **Range Of Product** | Modicon |
| **Product Or Component Type** | Ethernet TCP/IP managed switch |
| **Concept** | Transparent Ready |
| **Communication Port Protocol** | Ethernet TCP/IP<br>SSH<br>HTTP<br>HTTPS<br>SNMP<br>RS232<br>SFTP<br>SCP<br>LLDP<br>Telnet<br>SNTP |
| **Port Ethernet** | 10/100BASE-TX - 8 copper cable<br>100/1000 SFP - 4 |
| **Maximum Number Of Switches In Cascade** | Unlimited |
| **Cybersecurity** | Port hardening<br>IP-based port security<br>MAC-based port security<br>Port-based access control<br>Role-based access control<br>RADIUS assignment<br>HTTPS<br>DoS prevention<br>VLAN-based ACL<br>Audit trail<br>SNMP logging<br>Pre-login banner |

## Complementary

| | |
|---|---|
| **Integrated Connection Type** | Shielded RJ45 copper cable<br>SFP port fiber optic (Gbit) |
| **Transmission Support Medium** | Twisted shielded pairs cable CAT 5E copper cable<br>Fiber optic cable fiber optic (Gbit) |
| **Maximum Cable Distance Between Devices** | 328.08 ft (100 m) copper cable |
| **Ethernet Service** | Configuration via web server<br>VLAN<br>Multicast filtering<br>Data stream control<br>IGMP Snooping<br>SNMP-Traps and SYSLOG |
| **Communication Service** | TFTP<br>Quality of Service (QoS)<br>Port monitoring<br>Port mirroring<br>Address conflict detection |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| | |
|---|---|
| **Diagnostics Run Time** | Signal contact<br>Self test<br>MAC notification |
| **Maximum Number Of Switches In A Ring** | 50 |
| **Redundancy** | HiPER ring<br>RSTP<br>Link aggregation<br>Link backup<br>Redundant network coupling<br>MRP |
| **[Us] Rated Supply Voltage** | 12...24 V |
| **Supply Voltage Limits** | 9.6…32 V DC SELV |
| **Power Consumption In W** | 9 W |
| **Electrical Connection** | Removable connector 6 ways power supply |
| **Mounting Support** | 35 mm symmetrical DIN rail |
| **Marking** | CE<br>CULus<br>RCM |
| **Function Available** | Security status<br>Alarms (Traps)<br>System information<br>Report |
| **Local Signalling** | for P1 P2 power supplies 1 dual colour LED (green/yellow)<br>for device status 1 dual colour LED (green/red)<br>for memory key status 1 dual colour LED (green/yellow)<br>for channel diagnostic 1 dual colour LED (green/yellow) |
| **Alarm Output** | 1 voltfree contact 1 A |
| **Alarm Function** | Power supply fault<br>Data link status<br>Switch fault<br>Temperature threshold<br>Redundancy ring fault<br>Incorrect configuration<br>External memory removed |
| **Ethernet Cabling System** | TF switches |
| **Width** | 2.87 in (73 mm) |
| **Height** | 5.62 in (142.8 mm) |
| **Depth** | 4.63 in (117.6 mm) |
| **Net Weight** | 1.26 lb(US) (0.57 kg) |

# Environment

| | |
|---|---|
| **Ambient Air Temperature For Operation** | 32…140 °F (0…60 °C) |
| **Relative Humidity** | 1…95 % non-condensing |
| **Ip Degree Of Protection** | IP30 |
| **Directives** | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility |
| **Standards** | UL 61010-2-201<br>EN/IEC 61131-2<br>EN/IEC 62368-1 |
| **Product Certifications** | CE<br>UL<br>RCM<br>DNV<br>ATEX |

# Ordering and shipping details

| | |
|---|---|
| **Category** | US1PC1118121 |
| **Discount Schedule** | PC11 |
| **Gtin** | 3606481463449 |
| **Returnability** | Yes |
| **Country Of Origin** | DE |

# Packing Units

| | |
|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 5.31 in (13.500 cm) |
| **Package 1 Width** | 6.50 in (16.500 cm) |
| **Package 1 Length** | 9.65 in (24.500 cm) |
| **Package 1 Weight** | 28.50 oz (808.000 g) |
| **Unit Type Of Package 2** | S04 |
| **Number Of Units In Package 2** | 8 |
| **Package 2 Height** | 11.81 in (30.000 cm) |
| **Package 2 Width** | 15.75 in (40.000 cm) |
| **Package 2 Length** | 23.62 in (60.000 cm) |
| **Package 2 Weight** | 16.27 lb(US) (7.382 kg) |

# Contractual warranty

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|---|---|
| **Warranty** | 18 months |

Life Is On | Schneider Electric

# Sustainability

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›

Transparency    RoHS/REACh

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information          Yes

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |
| **Circularity Profile** | End of Life Information |
| **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 |

Dimensions Drawings

**Dimensions**