

# Product datasheet

Specifications



## Modicon Extended Managed Switch - 8 ports for copper + 2 ports for fiber optic multimode

MCSESM103F2CU1

EAN Code: 3606481463418

### Main

Range of product	Modicon Networking
Product or component type	Ethernet TCP/IP managed switch
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

Integrated connection type	Duplex SC fiber optic Shielded RJ45 copper cable
Transmission support medium	Multimode 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	4 km 62.5/125 $\mu$ m 5 km 50/125 $\mu$ m
Attenuation	0...11 dB (62.2/125 $\mu$ m) 0...8 dB (50/125 $\mu$ m)
Ethernet service	Configuration via web server VLAN Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG

<b>Communication service</b>	TFTP Quality of Service (QoS) Port monitoring Port mirroring Address conflict detection
<b>Diagnostics run time</b>	Signal contact Self test MAC notification
<b>Maximum number of switches in a ring</b>	50
<b>Redundancy</b>	HiPER ring RSTP Link aggregation Link backup Redundant network coupling MRP Dual RSTP
<b>[Us] rated supply voltage</b>	12...24 V
<b>Supply voltage limits</b>	9.6...32 V DC SELV
<b>Power consumption in W</b>	8 W
<b>Electrical connection</b>	Removable connector 6 ways power supply
<b>Mounting support</b>	35 mm symmetrical DIN rail
<b>Marking</b>	CE CULus RCM
<b>Function available</b>	Security status Alarms (Traps) System information Report
<b>Local signalling</b>	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
<b>Alarm output</b>	1 voltfree contact 1 A
<b>Alarm function</b>	Power supply fault Data link status Switch fault Temperature threshold Redundancy ring fault Incorrect configuration External memory removed
<b>Ethernet cabling system</b>	TF switches
<b>Width</b>	73 mm
<b>Height</b>	142.8 mm
<b>Depth</b>	117.6 mm
<b>Net weight</b>	0.50 kg

## Environment

<b>Ambient air temperature for operation</b>	0...60 °C
<b>Relative humidity</b>	1...95 % non-condensing
<b>IP degree of protection</b>	IP30
<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility

---

<b>Standards</b>	UL 61010-2-201 EN/IEC 61131-2 EN/IEC 62368-1 IEC 61850-3 IEC 62443-4-2 EN 50121-4
------------------	--

---

<b>Product certifications</b>	CE UL RCM DNV ATEX EAC UKCA CSA C22-2 No 213 UKEX LR BV
-------------------------------	---

---

## Packing Units

---

<b>Unit Type of Package 1</b>	PCE
-------------------------------	-----

---

<b>Number of Units in Package 1</b>	1
-------------------------------------	---

---

<b>Package 1 Height</b>	13.400 cm
-------------------------	-----------

---

<b>Package 1 Width</b>	16.500 cm
------------------------	-----------

---

<b>Package 1 Length</b>	23.500 cm
-------------------------	-----------

---

<b>Package 1 Weight</b>	720.000 g
-------------------------	-----------

---

<b>Unit Type of Package 2</b>	S04
-------------------------------	-----

---

<b>Number of Units in Package 2</b>	8
-------------------------------------	---

---

<b>Package 2 Height</b>	30.000 cm
-------------------------	-----------

---

<b>Package 2 Width</b>	40.000 cm
------------------------	-----------

---

<b>Package 2 Length</b>	60.000 cm
-------------------------	-----------

---

<b>Package 2 Weight</b>	6.500 kg
-------------------------	----------

---

## Logistical informations

---

<b>Country of origin</b>	DE
--------------------------	----

---

## Contractual warranty

---

<b>Warranty (in months)</b>	18
-----------------------------	----

---



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation

[REACH Declaration](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

No

Dimensions Drawings

Dimensions

---

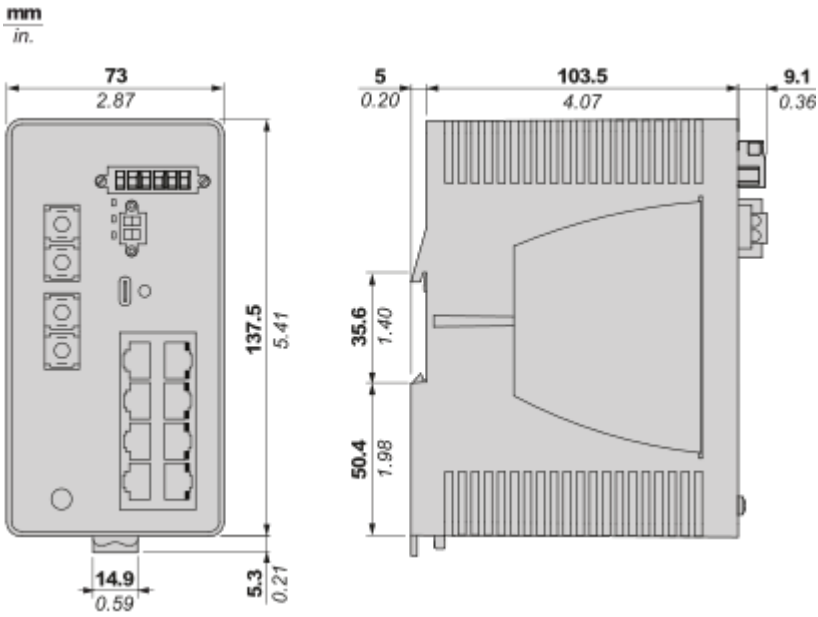


Image of product / Alternate images

Alternative

---





