

# Product data sheet

Specifications



## Modicon Managed Switch - 8 ports for copper + 1 port for fiber optic single-mode

MCSESM093F1CS0

**Product availability: Non-Stock - Not normally stocked in distribution facility**

### 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 - 1 fiber optic 10/100BASE-TX - 8 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	Single mode optical fiber fiber optic Twisted shielded pairs cable CAT 5E copper cable
Maximum cable distance between devices	328.08 ft (100 m) copper cable
Optic fiber length	20.2 mile (32.5 km) 9/125 $\mu$ m
Attenuation	0...16 dB 9/125 $\mu$ m)
Ethernet service	Configuration via web server VLAN Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG

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

<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
<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>	7 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>	2.9 in (73 mm)
<b>Height</b>	5.6 in (142.8 mm)
<b>Depth</b>	4.6 in (117.6 mm)
<b>Product Weight</b>	1.10 lb(US) (0.50 kg)

## Environment

<b>Ambient Air Temperature for Operation</b>	32...140 °F (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

## Ordering and shipping details

<b>Category</b>	US1PC1118121
<b>Discount Schedule</b>	PC11
<b>GTIN</b>	3606481463333
<b>Returnability</b>	No
<b>Country of origin</b>	DE

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	6.30 in (16.0 cm)
<b>Package 1 Width</b>	5.12 in (13.0 cm)
<b>Package 1 Length</b>	9.25 in (23.5 cm)
<b>Package weight(Lbs)</b>	17.6 oz (500.0 g)
<b>Unit Type of Package 2</b>	CAR
<b>Number of Units in Package 2</b>	2
<b>Package 2 Height</b>	118.11 in (300.0 cm)
<b>Package 2 Width</b>	11.81 in (30.0 cm)
<b>Package 2 Length</b>	15.75 in (40.0 cm)
<b>Package 2 Weight</b>	3.177 lb(US) (1.441 kg)

## Contractual warranty

<b>Warranty</b>	18 months
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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 Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

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](#)

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No

## Dimensions Drawings

## Dimensions

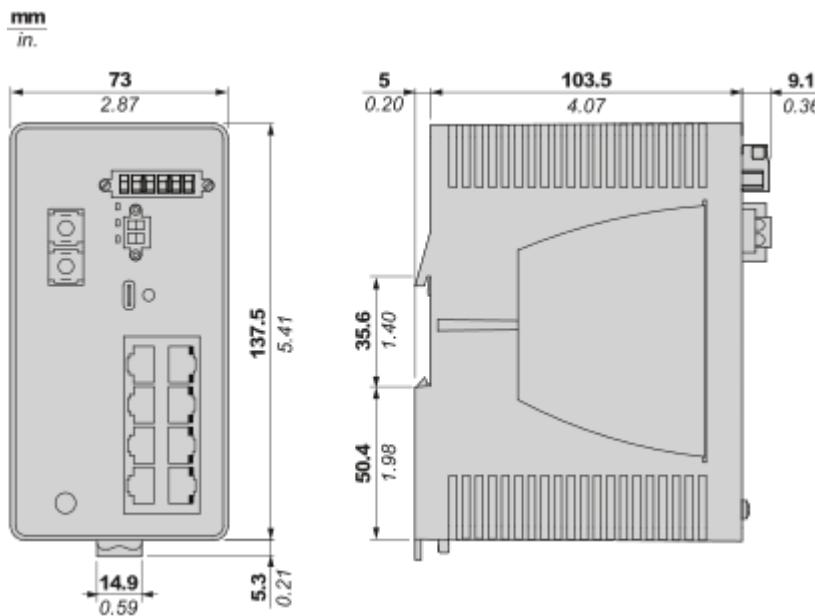


Image of product / Alternate images

Alternative

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