

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

MCSESM103F2CU0

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	
	Sivini logging	

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 μm 5 km 50/125 μm	
Attenuation	011 dB (62.2/125 μm) 08 dB (50/125 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	
	Address conflict detection	
Diagnostics run time	Signal contact	
	Self test	
	MAC notification	
Maximum number of switches in a ring	a 50	
Redundancy	HiPER ring	
	RSTP	
	Link aggregation	
	Link backup Redundant network coupling	
	MRP	
[Us] rated supply voltage	1224 V	
Supply voltage limits	9.632 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	
Product weight	0.50 kg	
Environment		
Ambient air temperature for	060 °C	
operation Relative humidity		
	195 % 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 IEC 61850-3 IEC 62443-4-2 EN 50121-4
Product certifications	CE
	UL
	RCM
	DNV
	ATEX
	EAC
	UKCA
	CSA C22-2 No 213
	UKEX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.400 cm
Package 1 Width	16.600 cm
Package 1 Length	23.800 cm
Package 1 Weight	716.000 g
Unit Type of Package 2	S04
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	6.508 kg
Unit Type of Package 3	P12
Number of Units in Package 3	32
Package 3 Height	42.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	36.000 kg

Contractual warranty

Warranty 18 months



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

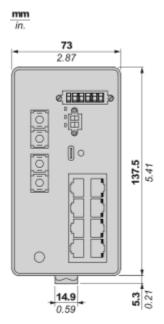
Use Again

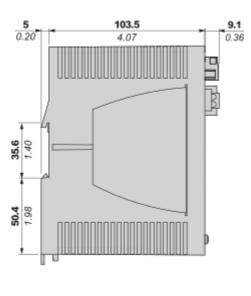
○ Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

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Dimensions Drawings

Dimensions





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Image of product / Alternate images

Alternative







