Product data sheet
Characteristics

MCSESM103F2CU0
Modicon Managed Switch - 8 ports for copper + 2 ports for fiber optic multimode

Green Premium™

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 SSH HTTP HTTPS SNMP RS232 SFTP SCP LLDP Telnet SNTP
Port Ethernet	100BASE-FX - 2 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	Multimode 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	2.49 Mile (4 km) 62.5/125 µm 3.11 Mile (5 km) 50/125 µm
Attenuation	0…11 DB 62.2/125 µm) 0…8 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
Diagnostics run time	Signal contact Self test MAC notification
Maximum number of switches in a ring	50
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	For P1 P2 power supplies 1 dual colour LED (green/yellow) For device status 1 dual colour LED (green/red) For memory key status 1 dual colour LED (green/yellow) for channel diagnostic 1 dual colour LED (green/yellow)
Alarm output	1 voltfree contact 1 A
Alarm function	Power supply fault Data link status Switch fault High temperature Redundancy ring fault Incorrect configuration External memory removed
Ethernet cabling system	TF switches
Width	2.87 In (73 mm)
Height	5.43 In (138 mm)
Depth	4.37 In (111 mm)
Net Weight	1.10 Lb(US) (0.50 kg)

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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 2014/30/EU - electromagnetic compatibility
Standards	UL 61010-2-201 EN/IEC 61131-2 EN/IEC 62368-1
Product certifications	CE UL RCM DNV ATEX

Ordering and shipping details

Category	18121-MODICON MANAGED SWITCH
Discount Schedule	PC11
GTIN	3606481463395
Returnability	Yes

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.30 In (16 cm)
Package 1 Width	5.12 In (13 cm)
Package 1 Length	9.25 In (23.5 cm)
Package 1 Weight	25.61 Oz (726 g)
Unit Type of Package 2	S04
Number of Units in Package 2	8
Package 2 Height	11.81 In (30 cm)
Package 2 Width	15.75 In (40 cm)
Package 2 Length	23.62 In (60 cm)
Package 2 Weight	14.35 Lb(US) (6.508 kg)
Unit Type of Package 3	P12
Number of Units in Package 3	32
Package 3 Height	16.54 In (42 cm)
Package 3 Width	31.50 In (80 cm)
Package 3 Length	47.24 In (120 cm)
Package 3 Weight	79.37 Lb(US) (36 kg)

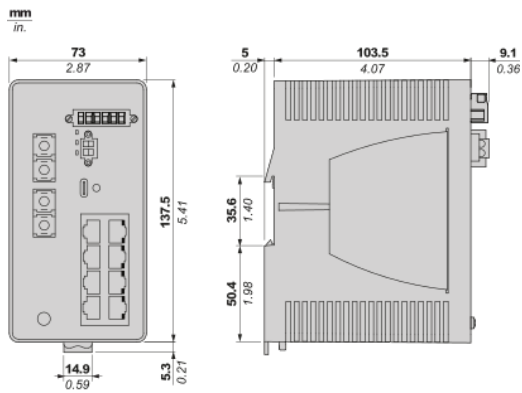## Offer Sustainability

Sustainable offer status	Green Premium product
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
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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.

Contractual warranty

Warranty	18 months

Product Environmental Profile

End Of Life Information

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MCSESM103F2CU0

Dimensions

Product Life Status :	Commercialised