

# Product data sheet

Specifications



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

MCSESM103F2CU0

### 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 MRP (Media Redundancy Protocol)
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 µm 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

<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
<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 High temperature Redundancy ring fault Incorrect configuration External memory removed
<b>Ethernet cabling system</b>	TF switches
<b>Width</b>	73 mm
<b>Height</b>	138 mm
<b>Depth</b>	111 mm
<b>Net weight</b>	0.50 kg
<b>Environment</b>	
<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 EN/IEC 61131 EN/IEC 62368-1
<b>Product certifications</b>	CE UL RCM DNV-GL

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	726.0 g
Package 1 Height	16.0 cm
Package 1 width	13.0 cm
Package 1 Length	23.5 cm
Unit Type of Package 2	P12
Number of Units in Package 2	32
Package 2 Weight	36.0 kg
Package 2 Height	42.0 cm
Package 2 width	80.0 cm
Package 2 Length	120.0 cm
Unit Type of Package 3	S04
Number of Units in Package 3	8
Package 3 Weight	6.508 kg
Package 3 Height	30.0 cm
Package 3 width	40.0 cm
Package 3 Length	60.0 cm

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

## Contractual warranty

Warranty	18 months
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Dimensions

