

# Product data sheet

Specifications



## Modicon Managed Switch - 4 ports for copper + 1 port for fiber optic multimode

MCSESM053F1CU0

**Product availability : Stock - Normally stocked in distribution facility**

### Main

<b>Range of Product</b>	Modicon
<b>Product or Component Type</b>	Ethernet TCP/IP managed switch
<b>Concept</b>	Transparent Ready
<b>Communication port protocol</b>	Ethernet TCP/IP SSH HTTP HTTPS SNMP RS232 SFTP SCP LLDP Telnet SNTP MRP (Media Redundancy Protocol)
<b>Port Ethernet</b>	100BASE-FX - 1 fiber optic 10/100BASE-TX - 4 copper cable
<b>Maximum number of switches in cascade</b>	Unlimited
<b>Cybersecurity</b>	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

<b>Integrated connection type</b>	Duplex SC fiber optic Shielded RJ45 copper cable
<b>Transmission support medium</b>	Multimode optical fiber fiber optic Twisted shielded pairs cable CAT 5E copper cable
<b>Maximum cable distance between devices</b>	328.08 ft (100 m) copper cable
<b>Optic fiber length</b>	2.49 mile (4 km) 62.5/125 µm 3.11 mile (5 km) 50/125 µm
<b>Attenuation</b>	0...11 dB 62.2/125 µm) 0...8 dB 50/125 µm)
<b>Ethernet service</b>	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>	6 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>	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)
<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>	2.24 in (57 mm)
<b>Height</b>	5.43 in (138 mm)
<b>Depth</b>	4.37 in (111 mm)
<b>Net Weight</b>	0.93 lb(US) (0.42 kg)
<b>Environment</b>	
<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 EN/IEC 61131 EN/IEC 62368-1
<b>Product certifications</b>	CE UL RCM DNV-GL

## Ordering and shipping details

Category	18121-MODICON MANAGED SWITCH
Discount Schedule	PC11
GTIN	3606481463265
Nbr. of units in pkg.	1
Package weight(Lbs)	14.81 oz (420.0 g)
Returnability	No

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	6.30 in (16.0 cm)
Package 1 width	2.36 in (6.0 cm)
Package 1 Length	9.45 in (24.0 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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.

## Contractual warranty

Warranty	18 months
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Dimensions

