

# Modicon Extended Managed Switch, 8 ports for copper

MCSESM083F23F1

## 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	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

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Integrated connection type	Shielded RJ45 copper cable	
Transmission support medium	Twisted shielded pairs cable CAT 5E for copper cable	
Maximum cable distance between devices	100 m copper cable	
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	a 50	
Redundancy	HiPER ring	
	RSTP	
	Link aggregation	
	Link backup Redundant network coupling	
	MRP	
	Dual RSTP	
[Us] rated supply voltage	1224 V	
Supply voltage limits	9.632 V DC SELV	
Power consumption in W	6 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	
	Redundancy ring fault Incorrect configuration	
	External memory removed	
	Temperature threshold	
Ethernet cabling system	TF switches	
Width	73 mm	
Height	142.8 mm	
Depth	117.6 mm	
Net weight	0.42 kg	
Environment		
Ambient air temperature for operation	060 °C	

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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	
Product certifications	CE UL RCM DNV Lloyd's BV ATEX	

## **Packing Units**

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.200 cm
Package 1 Width	16.000 cm
Package 1 Length	23.500 cm
Package 1 Weight	664.000 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	6.036 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 >

Ø	Environmental footprint
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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	

#### **Use Again**

○ Repack and remanufacture		
Circularity Profile	End of Life Information	
Take-back	No	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	

### **Dimensions Drawings**

### **Dimensions**



