Product data sheet
Characteristics

MCSESM103F2CS0H

Modicon Managed Switch - 8 ports for copper + 2 ports for fiber optic single-mode - Harsh

Green Premium™

Main

Range of product	Modicon
Product or component type	Ethernet TCP/IP managed switch
Product specific application	For severe environments
Concept	Transparent Ready
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 Pre-login banner

Complementary

Integrated connection type	Duplex SC fiber optic Shielded RJ45 copper cable
Transmission support medium	Single mode 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	32.5 km 9/125 µm
Attenuation	0…16 dB (9/125 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	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
Net weight	0.57 kg

Environment

Ambient air temperature for operation	-40…70 °C
Relative humidity	1…95 % non-condensing
IP degree of protection	IP30
Protective treatment	Conformal coating
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[RETURN]UL[RETURN]RCM[RETURN]DNV[RETURN]ATEX

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	16.0 cm
Package 1 Width	13.0 cm
Package 1 Length	23.5 cm
Package 1 Weight	570.0 g

Offer Sustainability

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

Dimensions