Product datasheet

Specifications

ConneXium Managed Switch - 7 ports for copper + 1 port for fiber optic single-mode

TCSESM083F1CS0

⚠ **Discontinued on:** 31 Mar 2023

⚠ **To be end-of-service on:** 31 Dec 2024

⚠ **To be discontinued**

Main

Range Of Product	ConneXium
Product Or Component Type	Ethernet TCP/IP managed switch
Concept	Transparent Ready
Communication Port Protocol	Ethernet TCP/IP SSH HTTP HTTPS SNMP RS232 LLDP Telnet SNTP MRP (Media Redundancy Protocol)
Port Ethernet	100BASE-FX - 1 port(s) fiber optic 10/100BASE-TX - 7 port(s) copper cable
Maximum Number Of Switches In Cascade	Unlimited
Cybersecurity	Port hardening

Complementary

Integrated Connection Type	Duplex SC fiber optic Shielded RJ45 copper cable
Transmission Support Medium	Twisted shielded pairs cable CAT 5E for copper cable Single mode optical fiber for fiber optic
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
Maximum Number Of Switches In A Ring	50

Redundancy	HiPER ring
	RSTP
	Redundant network coupling
[Us] Rated Supply Voltage	12...48 V
Supply Voltage Limits	9.6…60 V DC SELV
	18…30 V AC SELV
Power Consumption In W	6.5 W
Electrical Connection	Removable connector 6 ways power supply
Mounting Support	35 mm symmetrical DIN rail
Marking	CE
	UL
	RCM
	EtherNet/IP
Function Available	Alarms (Traps)
	System information
	Report
	Trap log
Local Signalling	1 dual colour LED (green/yellow) for P1 P2 power supplies
	1 LED (red) for fault
	1 dual colour LED (green/yellow) for ring manager
	1 LED (green) for stand-by
	1 LED per channel (green) for link status
	1 LED per channel (yellow) for ACT
	Device status
Alarm Output	1 voltfree contact 1 A
Alarm Function	Power supply fault
	Data link status
	Redundancy ring fault
	Switch fault
Ethernet Cabling System	TF switches
Width	74 mm
Height	131 mm
Depth	111 mm
Net Weight	0.41 kg

Environment

Ambient Air Temperature For Operation	0…60 °C
Relative Humidity	10…95 % non-condensing
Ip Degree Of Protection	IP20
Directives	2014/35/EU - low voltage directive
	2014/30/EU - electromagnetic compatibility
Standards	UL 508
	EN/IEC 61131
	IEC 61850-3
Product Certifications	CE
	UL
	RCM
	ODVA EtherNet/IP
	BV
	GL

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1

Package 1 Height	13.000 cm
Package 1 Width	16.500 cm
Package 1 Length	23.500 cm
Package 1 Weight	677.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	2
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.354 kg

Contractual warranty

Warranty	12 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Dimensions