Product datasheet

Specifications

Green Premium™

ConneXium Extended Managed Switch - 8 ports for copper

TCSESM083F23F1

To be discontinued on: 31 Dec 2024

To be end-of-service on: 31 Dec 2026

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	10/100BASE-TX - 8 port(s) copper cable
Maximum Number Of Switches In Cascade	Unlimited
Cybersecurity	Port hardening

Complementary

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
Maximum Number Of Switches In A Ring	50
Redundancy	HiPER ring RSTP Redundant network coupling
[Us] Rated Supply Voltage	24...48 V
Supply Voltage Limits	18…60 V DC SELV

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Power Consumption In W	10 W
Electrical Connection	2 removable connectors 2 ways power supply
Mounting Support	35 mm symmetrical DIN rail
Marking	CE UL RCM ATEX
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 (red) for stand-by 1 LED (yellow) for signal contact 1 1 LED (yellow) for signal contact 2 1 LED per channel (green/yellow) for channel diagnostic Device status
Alarm Output	2 voltfree contact 2 A
Alarm Function	Power supply fault Data link status Temperature threshold External memory removed
Ethernet Cabling System	TF switches
Width	120 mm
Height	137 mm
Depth	115 mm
Net Weight	1 kg

Environment

Ambient Air Temperature For Operation	0…60 °C
Relative Humidity	10…95 % non-condensing
Ip Degree Of Protection	IP30
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Standards	UL 508 EN/IEC 61131 IEC 61850-3 CSA C22.2 No 213 Class I Division 2 UL 1604 Class 1 Division 2
Product Certifications	CE UL RCM ATEX LR GL BV

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	21.800 cm
Package 1 Width	22.500 cm

Package 1 Length	23.000 cm
Package 1 Weight	1.463 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	2
Package 2 Height	30.000 cm
Package 2 Width	40.000 cm
Package 2 Length	60.000 cm
Package 2 Weight	3.867 kg

Contractual warranty

Warranty	18 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 >

Transparency RoHS/REACh

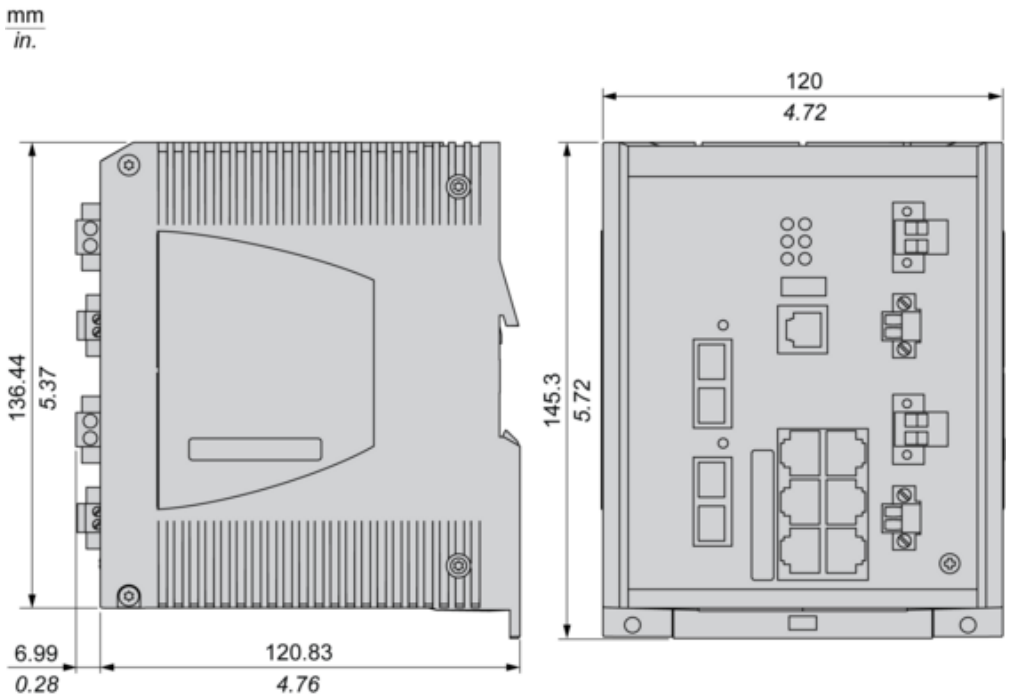
Well-being performance

Mercury Free

Rohs Exemption Information	Yes

Certifications & Standards

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

Dimensions Drawings

Dimensions