Product data sheet
Characteristics

TCSESM163F2CU0
ConneXium Managed Switch - 14 ports for copper + 2 ports for fiber optic multimode

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 - 2 port(s) fiber optic 10/100BASE-TX - 14 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 Multimode optical fiber for fiber optic
Maximum cable distance between devices	100 m copper cable
Optic fiber length	4 Km 62.5/125 µm 5 km 50/125 µm
Attenuation	0…11 DB (62.2/125 µm) 0…8 dB (50/125 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	11.8 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	111 mm
Height	131 mm
Depth	111 mm
Net weight	0.6 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[RETURN]UL[RETURN]RCM[RETURN]ODVA EtherNet/
	IP[RETURN]BV[RETURN]GL

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 cm
Package 1 Width	16.2 cm
Package 1 Length	23.5 cm
Package 1 Weight	874.0 g

Offer Sustainability

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
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