Product datasheet
Characteristics

TCSESM163F2CS0
Ethernet TCP/IP managed switch - ConneXium - 14TX/2FX – single mode

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 MRP (Media Redundancy Protocol) RSTP SFTP SCP LLDP
Port Ethernet	100BASE-FX - 2 port(s) fiber optic 10BASE-T/100BASE-TX - 14 port(s) copper cable
Maximum number of switches in cascade	Unlimited
Cybersecurity	Port hardening Role-based access control

Complementary

Integrated connection type	Duplex SC fiber optic Shielded RJ45 copper cable
Transmission support medium	Single mode optical fiber for copper cable Twisted shielded pairs cable CAT 5E 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	VLAN Data stream control Secure port IGMP Snooping SMTP V3 Multicast filtering Configuration via web server SNMP-Traps and SYSLOG Priority port

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Communication service	Telnet TFTP Address conflict detection Port monitoring Port mirroring
Diagnostics run time	Signal contact Self test
Maximum number of switches in a ring	50
Redundancy	Redundant single ring Ring coupling Redundant power supplies HiPER ring
[Us] rated supply voltage	24 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
Local signalling	2 LEDsP1 P2 power supplies: 1 LEDfault: 1 LEDring manager: 1 LEDstand-by: 1 LED per channelcopper port activity: 1 LED per channelcopper port status:
Alarm output	1 voltfree contact 1 A
Alarm function	Power supply fault Redundancy ring fault Data link status Switch fault
Ethernet cabling system	TF switches
MTBF reliability	351675.0 H
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	0…95 % without condensation
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2012/19/EU - WEEE directive
Standards	CSA C22.2 No 214 EN/IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 UL 1604 Class 1 Division 2
Product certifications	C-Tick GL

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	881 g
Package 1 Height	12.7 cm
Package 1 width	16.2 cm
Package 1 Length	23.5 cm

Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Weight	4 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
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

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