

Product Datasheet

Characteristic

TCSESM083F1CS0

Ethernet TCP/IP managed switch -
ConneXium - 7TX/1FX - 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
port Ethernet	100BASE-FX - 1 port(s) fiber optic 10BASE-T/100BASE-TX - 7 port(s) copper cable
maximum number of switches in cascade	unlimited

Complementary

integrated connection type	duplex SC fiber optic shielded RJ45 copper cable
transmission support medium	twisted shielded pairs cable CAT 5E copper cable single mode optical fiber fiber optic
cable length	328.08 ft (100 m) copper cable
optic fiber length	9/125 μ m
attenuation	16 dB 9/125 μ m
Ethernet service	configuration via web server data stream control FDR IGMP Snooping multicast filtering priority port Rapid Spanning Tree Protocol (RSTP) secure port SMTP V3 SNTP client VLAN
maximum number of switches in a ring	50
redundancy	redundant power supplies redundant single ring ring coupling
[Us] rated supply voltage	24 V
supply voltage limits	9.6...60 V DC SELV 18...30 V AC SELV
power consumption	6.5 W
electrical connection	removable connector 6 ways power supply

mounting support	35 mm symmetrical DIN rail
marking	CE
local signalling	2 LEDs P1 P2 power supplies 1 LED fault 1 LED ring manager 1 LED stand-by 1 LED per channel copper port activity 1 LED per channel copper port status
alarm output	1 voltfree contact <= 1 A
alarm function	power supply fault switch fault data link status redundancy ring fault
Ethernet cabling system	TF switches
width	2.91 in (74 mm)
height	5.16 in (131 mm)
depth	4.37 in (111 mm)
product weight	0.9 lb(US) (0.41 kg)

Environment

ambient air temperature for operation	32...140 °F (0...60 °C)
relative humidity	10...95 % (without condensation)
IP degree of protection	IP20
standards	EN/IEC 61131-2 UL 1604 Class 1 Division 2 UL 508 CSA C22.2 No 213 Class I Division 2 CSA C22.2 No 214
product certifications	C-Tick GL

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0617 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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