


# Product datasheet

Specifications



## ConneXium Managed Switch - 3 ports for copper + 1 port for fiber optic single-mode

TCSESM043F1CS0

 **Discontinued on:** 10 Jan 2023

 **Discontinued**

### Main

|                                       |   |
|---------------------------------------|---|
| Range Of Product                      | ConneXium   |
| Product Or Component Type             | Ethernet TCP/IP managed switch  |
| Concept                               | Transparent Ready   |
| Communication Port Protocol           | Ethernet TCP/IP<br>SSH<br>HTTP<br>HTTPS<br>SNMP<br>RS232<br>LLDP<br>Telnet<br>SNTP<br>MRP (Media Redundancy Protocol) |
| Port Ethernet                         | 10/100BASE-TX - 3 port(s) copper cable<br>100BASE-FX - 1 port(s) fiber optic  |
| Maximum Number Of Switches In Cascade | Unlimited   |
| Cybersecurity                         | Port hardening  |

### Complementary

|  |  |
|--|--|
| Integrated Connection Type             | Shielded RJ45 copper cable<br>Duplex SC fiber optic  |
| Transmission Support Medium            | Twisted shielded pairs cable CAT 5E for copper cable<br>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<br>VLAN<br>Multicast filtering<br>Data stream control<br>IGMP Snooping<br>SNMP-Traps and SYSLOG |
| Communication Service                  | TFTP<br>Quality of Service (QoS)<br>Port monitoring<br>Port mirroring<br>Address conflict detection                          |
| Diagnostics Run Time                   | Signal contact<br>Self test  |
| Maximum Number Of Switches In A Ring   | 50   |

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

|                           |   |
|---------------------------|---|
| Redundancy                | HiPER ring<br>RSTP<br>Redundant network coupling  |
| [Us] Rated Supply Voltage | 12...48 V   |
| Supply Voltage Limits     | 9.6...60 V DC SELV<br>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<br>UL<br>RCM<br>EtherNet/IP  |
| Function Available        | Alarms (Traps)<br>System information<br>Report<br>Trap log  |
| Local Signalling          | 1 dual colour LED (green/yellow) for P1 P2 power supplies<br>1 LED (red) for fault<br>1 dual colour LED (green/yellow) for ring manager<br>1 LED (green) for stand-by<br>1 LED per channel (green) for link status<br>1 LED per channel (yellow) for ACT<br>Device status |
| Alarm Output              | 1 voltfree contact 1 A  |
| Alarm Function            | Power supply fault<br>Data link status<br>Redundancy ring fault<br>Switch fault   |
| Ethernet Cabling System   | TF switches   |
| Width                     | 47 mm   |
| Height                    | 131 mm  |
| Depth                     | 111 mm  |
| Net Weight                | 0.4 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<br>2014/30/EU - electromagnetic compatibility |
| Standards                             | UL 508<br>EN/IEC 61131<br>IEC 61850-3  |
| Product Certifications                | CE<br>UL<br>RCM<br>ODVA EtherNet/IP<br>BV<br>GL                                  |

## Packing Units

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

|                              |           |
|------------------------------|-----------|
| Package 1 Height             | 6.100 cm  |
| Package 1 Width              | 16.200 cm |
| Package 1 Length             | 24.200 cm |
| Package 1 Weight             | 480.000 g |
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 4         |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 2.390 kg  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability



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

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## Well-being performance

|  |   |
|--|---|
|  Mercury Free               |   |
|  Rohs Exemption Information | <a href="#">Yes</a>   |
| Reach Regulation   | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive  | Pro-active compliance (Product out of EU RoHS legal scope)  |
| China Rohs Regulation  | <a href="#">China RoHS declaration</a>  |
| Weee   | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions

