

# Product datasheet

Specifications



## ConneXium Managed Switch. 14 ports for copper and 2 ports for fiber optic multimode

TCSESM163F2CU0

⚠ Discontinued on: 31 Dec 2023

⚠ To be end-of-service on: 31 Dec 2025

⚠ To be discontinued

Price: 46,283.07 ZAR

### 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                         | 100BASE-FX - 2 port(s) fiber optic<br>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<br>Shielded RJ45 copper cable                                                                          |
| Transmission Support Medium            | Twisted shielded pairs cable CAT 5E for copper cable<br>Multimode optical fiber for fiber optic                              |
| Maximum Cable Distance Between Devices | 100 m copper cable                                                                                                           |
| Optic Fiber Length                     | 4 km 62.5/125 µm<br>5 km 50/125 µm                                                                                           |
| Attenuation                            | 0...11 dB (62.2/125 µm)<br>0...8 dB (50/125 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                          |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

|                                      |                                                                                                                                                                                                                                                                           |
|--------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Diagnostics Run Time                 | Signal contact<br>Self test                                                                                                                                                                                                                                               |
| Maximum Number Of Switches In A Ring | 50                                                                                                                                                                                                                                                                        |
| 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               | 11.8 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                                | 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<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             | 13.0 cm |
| Package 1 Width              | 16.2 cm |
| Package 1 Length             | 23.5 cm |
| Package 1 Weight             | 874.0 g |

## 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<sub>2</sub> products.

**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

