# Product data sheet

Specifications

Green Premium™

## network switch, Modicon Networking, basic managed, 8 ports for copper

TCSESB083F23F0

## Main

| | |
|---|---|
| Range Of Product | ConneXium |
| Product Or Component Type | Ethernet TCP/IP managed switch |
| Concept | Transparent Ready |
| Communication Port Protocol | Ethernet TCP/IP<br>HTTP<br>HTTPS<br>SNMP<br>RS232<br>LLDP<br>SNTP<br>MRP (Media Redundancy Protocol) |
| Port Ethernet | 10/100BASE-TX - 8 copper cable |
| Maximum Number Of Switches In Cascade | Unlimited |
| Cybersecurity | Role-based access control |

## Complementary

| | |
|---|---|
| Integrated Connection Type | Shielded RJ45 copper cable |
| Transmission Support Medium | Twisted shielded pairs cable CAT 5E copper cable |
| Maximum Cable Distance Between Devices | 328.08 ft (100 m) copper cable |
| Ethernet Service | Configuration via web server<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 |
| Diagnostics Run Time | Signal contact<br>Self test |
| Maximum Number Of Switches In A Ring | 50 |
| Redundancy | HiPER ring<br>RSTP |
| [Us] Rated Supply Voltage | 12...24 V |
| Supply Voltage Limits | 9.6…32 V DC SELV |
| Power Consumption In W | 6 W |
| Electrical Connection | Removable connector 6 ways power supply |
| Mounting Support | 35 mm symmetrical DIN rail |

| Marking | CE |
| --- | --- |
| | UL |
| | RCM |
| Function Available | System information |
| Local Signalling | P1 P2 power supplies 1 dual colour LED green/yellow) |
| | Fault 1 LED red) |
| | Ring manager 1 dual colour LED green/yellow) |
| | Stand-by 1 LED green) |
| | Channel diagnostic 1 dual colour LED green/yellow) |
| | Device status |
| Alarm Output | 1 voltfree contact 1 A |
| Alarm Function | Power supply fault |
| | Data link status |
| | Switch fault |
| | Redundancy ring fault |
| | Switch fault |
| | Incorrect configuration |
| | Temperature threshold |
| Ethernet Cabling System | TF switches |
| Width | 1.85 in (47 mm) |
| Height | 5.16 in (131 mm) |
| Depth | 4.37 in (111 mm) |
| Net Weight | 0.88 lb(US) (0.4 kg) |

# Environment

| Ambient Air Temperature For Operation | 32…140 °F (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 |
| Product Certifications | CE |
| | UL |
| | RCM |

# Packing Units

| Unit Type Of Package 1 | PCE |
| --- | --- |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2.56 in (6.500 cm) |
| Package 1 Width | 6.30 in (16.000 cm) |
| Package 1 Length | 9.45 in (24.000 cm) |
| Package 1 Weight | 14.46 oz (410.000 g) |
| Unit Type Of Package 2 | S04 |
| Number Of Units In Package 2 | 20 |
| Package 2 Height | 11.81 in (30.000 cm) |
| Package 2 Width | 15.75 in (40.000 cm) |
| Package 2 Length | 23.62 in (60.000 cm) |
| Package 2 Weight | 19.69 lb(US) (8.930 kg) |

# Contractual warranty

**Warranty**                              18 months

# Sustainability

**Green Premium<sup>TM</sup> 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-$CO_2$ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency    RoHS/REACh

## Well-being performance

✓ Mercury Free

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✓ Rohs Exemption Information          Yes

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## Certifications & Standards

**Reach Regulation**                    REACh Declaration

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**Eu Rohs Directive**                    Pro-active compliance (Product out of EU RoHS legal scope)

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**China Rohs Regulation**                China RoHS declaration

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**Environmental Disclosure**             Product Environmental Profile

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**Weee**                                 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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**Circularity Profile**                  End of Life Information

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Dimensions Drawings

**Dimensions**