

# Product datasheet

Specifications



## Ethernet TCP/IP basic managed switch - ConneXium - 6TX/2FX - multimode

Local distributor code:

398053918

TCSESB083F2CU0

**EAN Code: 3595864115436**

### Main

|  |  |
|--|--|
| <b>Range of product</b>                      | Modicon Networking   |
| <b>Product or component type</b>             | Ethernet TCP/IP managed switch   |
| <b>Communication port protocol</b>           | Ethernet TCP/IP<br>HTTP<br>HTTPS<br>SNMP<br>RS232<br>LLDP<br>SNTP<br>MRP (Media Redundancy Protocol) |
| <b>Port Ethernet</b>                         | 10/100BASE-TX - 6 port(s) copper cable<br>100BASE-FX - 2 port(s) fiber optic                         |
| <b>Maximum number of switches in cascade</b> | Unlimited  |
| <b>Cybersecurity</b>                         | Role-based access control  |

### Complementary

|   |  |
|---|--|
| <b>Integrated connection type</b>             | Shielded RJ45 copper cable<br>Duplex SC fiber optic  |
| <b>Transmission support medium</b>            | Twisted shielded pairs cable CAT 5E for fiber optic<br>Multimode optical fiber for copper cable                      |
| <b>Maximum cable distance between devices</b> | 100 m copper cable   |
| <b>Optic fiber length</b>                     | 4 km 62.5/125 µm<br>5 km 50/125 µm   |
| <b>Attenuation</b>                            | 0...11 dB (62.2/125 µm)<br>0...8 dB (50/125 µm)  |
| <b>Ethernet service</b>                       | Configuration via web server<br>Multicast filtering<br>Data stream control<br>IGMP Snooping<br>SNMP-Traps and SYSLOG |
| <b>Communication service</b>                  | TFTP<br>Quality of Service (QoS)<br>Port monitoring<br>Port mirroring  |
| <b>Diagnostics run time</b>                   | Signal contact<br>Self test  |
| <b>Maximum number of switches in a ring</b>   | 50   |
| <b>Redundancy</b>                             | HiPER ring<br>RSTP   |
| <b>[Us] rated supply voltage</b>              | 12...24 V  |
| <b>Supply voltage limits</b>                  | 9.6...32 V DC SELV   |

|                                |   |
|--------------------------------|---|
| <b>Power consumption in W</b>  | 8 W   |
| <b>Electrical connection</b>   | Removable connector 6 ways power supply   |
| <b>Mounting support</b>        | 35 mm symmetrical DIN rail  |
| <b>Marking</b>                 | CE<br>UL<br>RCM   |
| <b>Function available</b>      | System information  |
| <b>Local signalling</b>        | 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 dual colour LED (green/yellow) for channel diagnostic<br>Device status |
| <b>Alarm output</b>            | 1 voltfree contact 1 A  |
| <b>Alarm function</b>          | Power supply fault<br>Data link status<br>Switch fault<br>Redundancy ring fault<br>Switch fault<br>Incorrect configuration<br>Temperature threshold   |
| <b>Ethernet cabling system</b> | TF switches   |
| <b>Width</b>                   | 74 mm   |
| <b>Height</b>                  | 131 mm  |
| <b>Depth</b>                   | 111 mm  |
| <b>Net weight</b>              | 0.41 kg   |

## Environment

|  |  |
|--|--|
| <b>Ambient air temperature for operation</b> | 0...60 °C  |
| <b>Relative humidity</b>                     | 10...95 % non-condensing   |
| <b>IP degree of protection</b>               | IP20   |
| <b>Directives</b>                            | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility |
| <b>Standards</b>                             | UL 508<br>EN/IEC 61131   |
| <b>Product certifications</b>                | CE<br>UL<br>RCM<br>EAC<br>UKCA   |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 13.300 cm |
| <b>Package 1 Width</b>              | 16.100 cm |
| <b>Package 1 Length</b>             | 23.300 cm |
| <b>Package 1 Weight</b>             | 596.000 g |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 4         |

---

|                  |           |
|------------------|-----------|
| Package 2 Height | 30.000 cm |
|------------------|-----------|

---

|                 |           |
|-----------------|-----------|
| Package 2 Width | 30.000 cm |
|-----------------|-----------|

---

|                  |           |
|------------------|-----------|
| Package 2 Length | 40.000 cm |
|------------------|-----------|

---

|                  |          |
|------------------|----------|
| Package 2 Weight | 2.844 kg |
|------------------|----------|

---

## Logistical informations

---

|                   |    |
|-------------------|----|
| Country of origin | DE |
|-------------------|----|

---

## Contractual warranty

---

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

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number

4ef40d87-1149-40ff-8202-2b7600a9a574

REACH Regulation

[REACH Declaration](#)

## Use Again

### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

No

Dimensions Drawings

Dimensions

---

