

# Product data sheet

Specifications



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 port(s) 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 for copper cable   |
| Maximum cable distance between devices | 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   |

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

|                         |   |
|-------------------------|---|
| Marking                 | CE<br>UL<br>RCM   |
| Function available      | System information  |
| 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 dual colour LED (green/yellow) for channel diagnostic<br>Device status |
| Alarm output            | 1 voltfree contact 1 A  |
| Alarm function          | Power supply fault<br>Data link status<br>Switch fault<br>Redundancy ring fault<br>Switch fault<br>Incorrect configuration<br>Temperature threshold   |
| 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   |
| Product certifications                | CE<br>UL<br>RCM  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 6.500 cm  |
| Package 1 Width              | 16.000 cm |
| Package 1 Length             | 24.000 cm |
| Package 1 Weight             | 412.000 g |
| Unit Type of Package 2       | S04       |
| Number of Units in Package 2 | 20        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 40.000 cm |
| Package 2 Length             | 60.000 cm |
| Package 2 Weight             | 8.930 kg  |


# Contractual warranty

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

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          | <a href="#">Product Environmental Profile</a>   |
| Use Better                        |   |
| Materials and Substances          |   |
| <a href="#">EU RoHS Directive</a> | Pro-active compliance (Product out of EU RoHS legal scope)  |
| REACH Regulation                  | <a href="#">REACH Declaration</a>   |
| California proposition 65         | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| Use Again                         |   |
| Repack and remanufacture          |   |
| Circularity Profile               | <a href="#">End of Life Information</a>   |
| WEEE                              |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Take-back                         | No  |

Dimensions Drawings

Dimensions

