

Product data sheet

Specifications



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

TCSESB083F23F0

! To be discontinued

! To be discontinued on: Dec 1, 2027

! To be end-of-service on: Dec 31, 2030

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon Networking
Product or Component Type	Ethernet TCP/IP managed switch
Communication Port Protocol	Ethernet TCP/IP HTTP HTTPS SNMP LLDP SNTP 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 Multicast filtering Data stream control IGMP Snooping SNMP-Traps and SYSLOG
Communication Service	TFTP Quality of Service (QoS) Port monitoring Port mirroring
Diagnostics run time	Signal contact Self test
Maximum number of switches in a ring	50
Redundancy	HiPER ring 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

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 UL RCM
Function Available	System information
Local signalling	1 dual colour LED (green/yellow) for P1 P2 power supplies 1 LED (red) for fault 1 dual colour LED (green/yellow) for ring manager 1 LED (green) for stand-by 1 dual colour LED (green/yellow) for channel diagnostic 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	1.9 in (47 mm)
Height	5.2 in (131 mm)
Depth	4.4 in (111 mm)
Product Weight	0.9 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 EAC UKCA

Ordering and shipping details

Category	US1PC4118225
Discount Schedule	PC41
GTIN	3595864115429
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.559 in (6.500 cm)
Package 1 Width	6.299 in (16.000 cm)
Package 1 Length	9.449 in (24.000 cm)

Package weight(Lbs)	14.533 oz (412.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	20
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	15.748 in (40.000 cm)
Package 2 Length	23.622 in (60.000 cm)
Package 2 Weight	19.687 lb(US) (8.930 kg)

Contractual warranty

Warranty (in months)	18
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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	Yes
Packaging without single use plastic	Yes
SCIP Number	4ef40d87-1149-40ff-8202-2b7600a9a574
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
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 www.P65Warnings.ca.gov

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

