Product data sheet

Specifications

network switch, Modicon Networking, basic managed, 6 ports for copper, 2 ports for fiber optic, multimode

TCSESB083F2CU0

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 RS232 LLDP SNTP MRP (Media Redundancy Protocol)
Port Ethernet	10/100BASE-TX - 6 copper cable 100BASE-FX - 2 fiber optic
Maximum number of switches in cascade	Unlimited
Cybersecurity	Role-based access control

Complementary

Integrated connection type	Shielded RJ45 copper cable Duplex SC fiber optic
Transmission support medium	Twisted shielded pairs cable CAT 5E fiber optic Multimode optical fiber copper cable
Maximum cable distance between devices	328.08 ft (100 m) copper cable
Optic fiber length	2.5 mile (4 km) 62.5/125 µm 3.1 mile (5 km) 50/125 µm
Attenuation	0…11 dB 62.2/125 µm) 0…8 dB 50/125 µm)
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

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

Supply voltage limits	9.6…32 V DC SELV
Power Consumption in W	8 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	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	2.9 in (74 mm)
Height	5.2 in (131 mm)
Depth	4.4 in (111 mm)
Net Weight	0.90 lb(US) (0.41 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	3595864115436
Returnability	Yes
Country of origin	DE

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	5.236 in (13.300 cm)
Package 1 Width	6.339 in (16.100 cm)
Package 1 Length	9.173 in (23.300 cm)
Package weight(Lbs)	21.023 oz (596.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	6.270 lb(US) (2.844 kg)

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

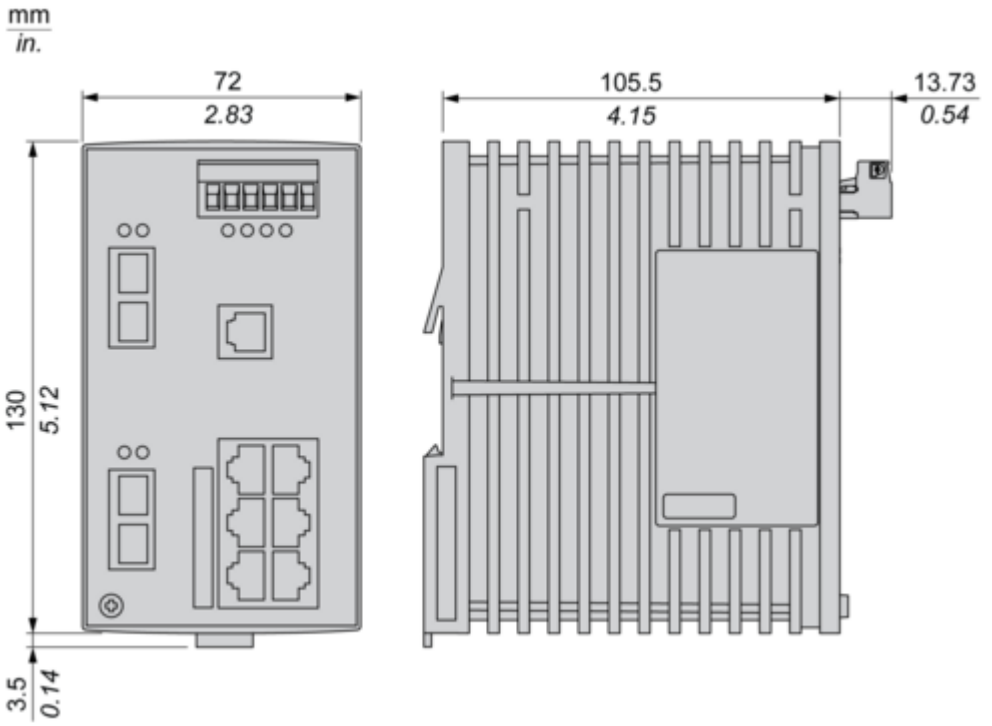
Materials and Substances

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
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 Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions