

Product data sheet

Specifications



Controller system, Modicon TM5, Safe logic CPU plus, SERCOS 3 interface, 80 nodes

TM5CSLC200FS

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon TM5
Product or Component Type	Controller system
Device Application	Safety logic controller
Processor name	Intel Xscale 266 MHz
Reverse polarity protection	Yes

Complementary

Communication network type	SERCOS III Ethernet)
Transmission rate	100 Mbit/s for full duplex
Cycle time	1 ms
Realtime clock	With non-volatile memory
Number of devices	2 shielded RJ45 1 memory key slot
Function Available	Support of 32 machine options With 2 internal switch Support max 100 safety nodes
Maximum cable distance between devices	328.08 ft (100 m) between station
Rated voltage	24 V -15...20 %
Input protection type	Integrated fuse (not interchangeable)
Power Consumption in W	5.1 W
Type of cooling	Fanless
Marking	CE
Safety level	SIL 3 IEC 61508 SIL 3 IEC 62061 PL = e EN 13849-1
Safety reliability data	PFD < 1E-5 PFH < 1E-9 MTTFd > 100 years
Local signalling	1 LED (green or orange) for application run or SoSafe debug mode 1 LED (green) for authorization status 1 LED (orange) for configuration status (Ready) 1 LED (orange) for firmware status 4 LEDs (red) for boot status 1 LED (orange) for memory key status
Color	Red
Width	3.4 in (87.5 mm)
Height	3.9 in (99 mm)

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

Depth	3.0 in (75 mm)
Product Weight	0.64 lb(US) (0.29 kg)
Environment	
Ambient air temperature for operation	32...113 °F (0...45 °C) vertical installation) 32...131 °F (0...55 °C) horizontal installation)
Ambient Air Temperature for Storage	-13...158 °F (-25...70 °C)
Relative Humidity	5...95 % without condensation
IP Degree of Protection	IP20
Operating altitude	0...6561.68 ft (0...2000 m)
Standards	IEC 62061 EN 13849-1 IEC 61508 IEC 61131-2 IEC 61511
Product Certifications	cULus GOST-R

Ordering and shipping details

Category	US1PC5218360
Discount Schedule	PC52
GTIN	3595864127996
Returnability	Yes
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.197 in (13.200 cm)
Package 1 Width	6.181 in (15.700 cm)
Package 1 Length	12.323 in (31.300 cm)
Package weight(Lbs)	17.989 oz (510.000 g)
Unit Type of Package 2	S04
Number of Units in Package 2	6
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	8.576 lb(US) (3.890 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

Total lifecycle Carbon footprint	250 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	31 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	219 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
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
PVC free	Yes

Use Longer



Lifetime extension

Repair	No
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Use Again

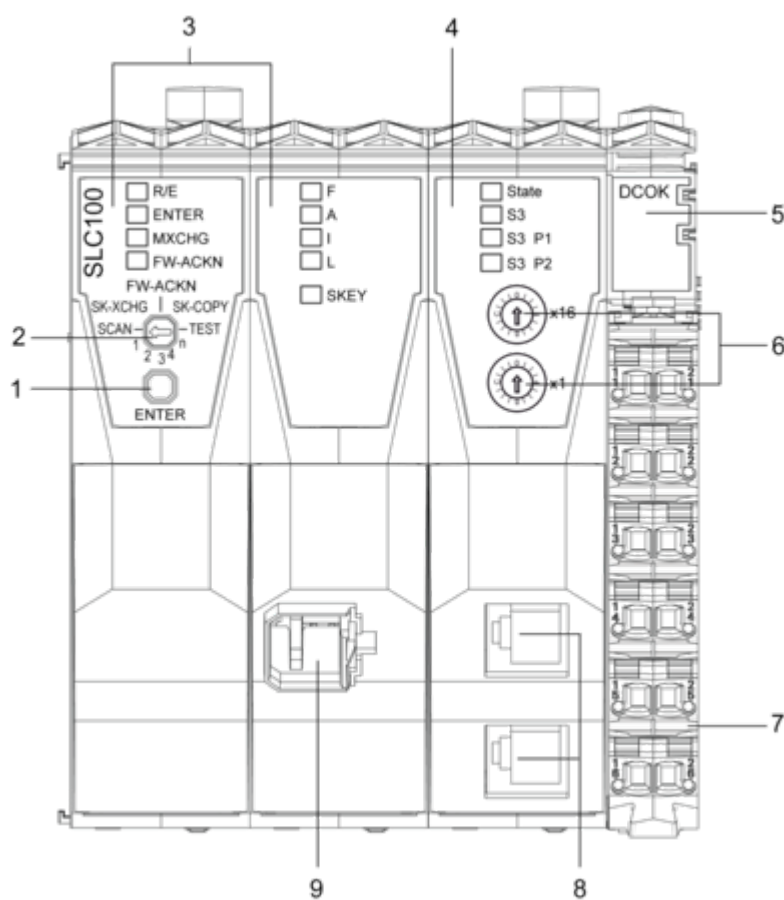


Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Presentation

Safe Logic Controller Module

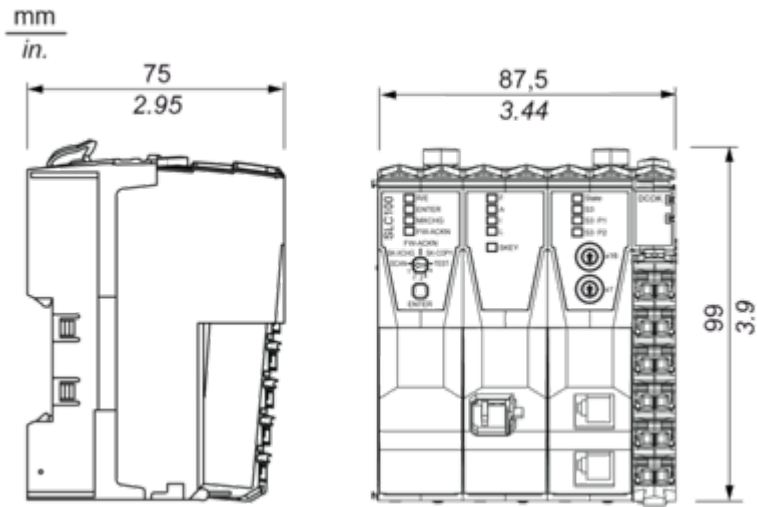


- (1) Confirmation button
- (2) Selection switch
- (3) Safety processor
- (4) SERCOS III interface
- (5) Integrated power supply
- (6) SERCOS III address switches
- (7) Terminal block for Safe Logic Controller supply
- (8) Ethernet SERCOS III connection with 2 x RJ45 for simple wiring
- (9) Memory Key slot

Dimensions Drawings

TM5 Safe Logic Controller

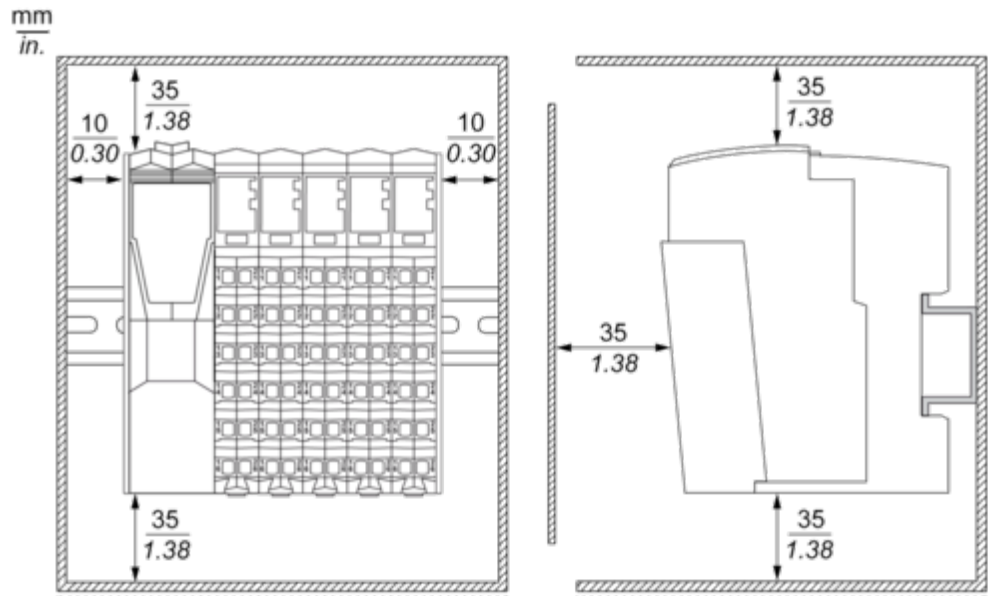
Dimensions



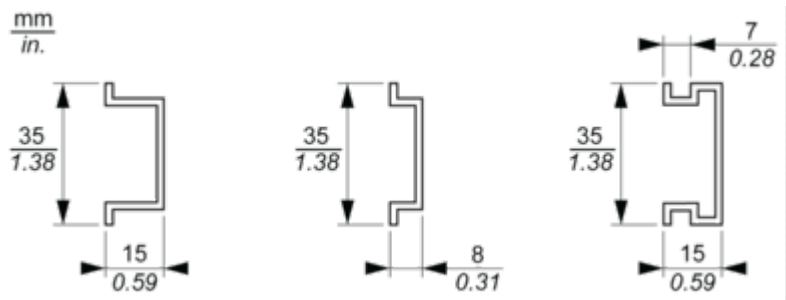
Mounting and Clearance

TM5 Safety System

Spacing Requirements



Mounting on a DIN Rail



Connections and Schema

TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

mm in. 9 0.35				
mm ²	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75
AWG	28...14	24...14	24...16	2 x 24...2 x 18