

Product data sheet

Specifications



Common distribution module, Modicon TM5, 12 x 24 V DC

TM5SPDD12F

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon TM5
Product or Component Type	Common distribution module
Product Compatibility	Motion controller Logic controller
Range Compatibility	Modicon LMC058 Modicon M258
[Us] rated supply voltage	24 V DC

Complementary

Short-circuit protection	6.3 A internal fuse
Electrical Connection	Screw/spring terminal block
Height	3.9 in (99 mm)
Width	0.5 in (12.5 mm)
Depth	3.0 in (75 mm)
Product Weight	0.055 lb(US) (0.025 kg)

Environment

IP Degree of Protection	IP20
Marking	CE
Product certifications	C-tick GOST-R CULus CSA
Standards	UL 508 CSA C22.2 No 213 IEC 61131-2 CSA C22.2 No 142
Ambient air temperature for operation	32...122 °F (0...50 °C) vertical installation) 32...131 °F (0...55 °C) without derating horizontal installation) 32...140 °F (0...60 °C) with derating factor horizontal installation)
Ambient air temperature for storage	-13...158 °F (-25...70 °C)
Relative humidity	5...95 % without condensation
Operating altitude	0...6561.68 ft (0...2000 m)
Pollution degree	2
Vibration resistance	1 gn 8.4...150 Hz) on DIN rail 3.5 mm 5...8.4 Hz) on DIN rail
Shock resistance	15 gn 11 ms

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

Ordering and shipping details

Category	US1PC1222532
Discount Schedule	PC12
GTIN	3595864074962
Returnability	No
Country of origin	AT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	0.787 in (2.000 cm)
Package 1 Width	2.362 in (6.000 cm)
Package 1 Length	4.134 in (10.500 cm)
Package weight(Lbs)	1.376 oz (39.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	97
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	9.105 lb(US) (4.130 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

No

Packaging without single use plastic

Yes

EU RoHS Directive

[Compliant By Exemption](#)

REACH Regulation

[Free of 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

Use Again



Repack and remanufacture

Circularity Profile

[End of Life Information](#)

Take-back

No

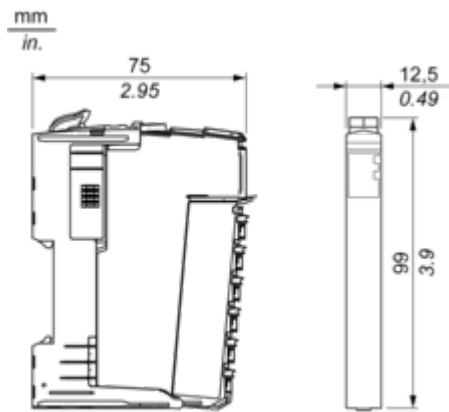
WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

TM5 Slice

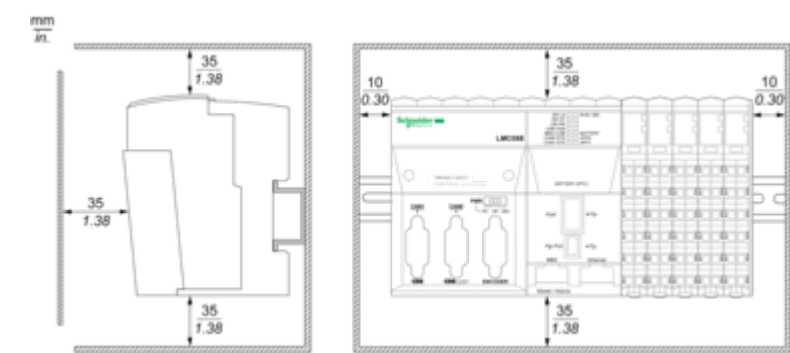
Dimensions



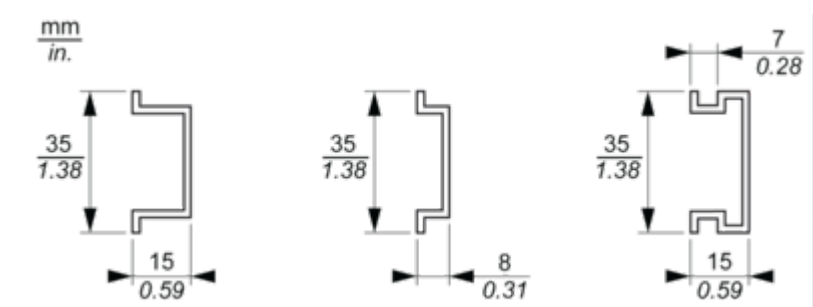
Mounting and Clearance

TM5 System

Spacing Requirements



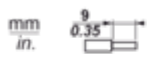
Mounting on a DIN Rail



Connections and Schema

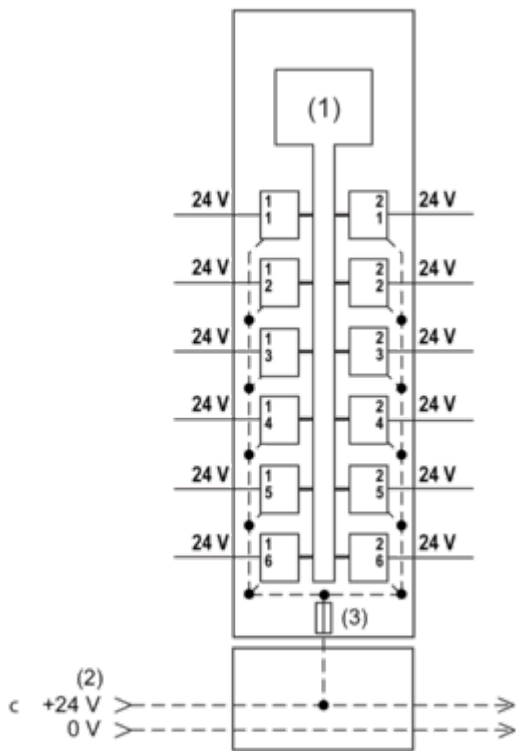
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

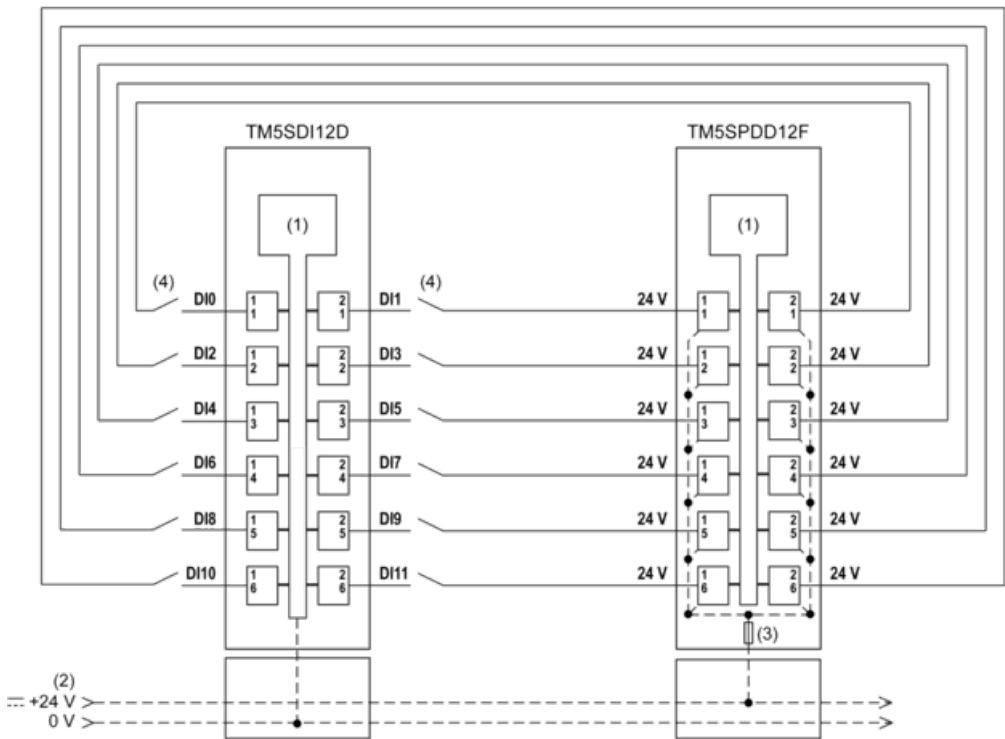
				
mm ²	0,08...2,5	0,25...2,5	0,25...1,5	2 x 0,25...2 x 0,75
AWG	28...14	24...14	24...16	2 x 24...2 x 18

Electronic Module 12 x 24 Vdc

Wiring Diagrams



- (1) Internal electronics
 - (2) 24 Vdc I/O power segment integrated into the bus bases
 - (3) Integrated fuse type T slow-blow 6.3 A 250 V exchangeable
- The following figure shows the wiring diagram with a TM5SDI12D:



- (1) Internal electronics

- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) Integrated fuse type T slow-blow 6.3 A 250 V exchangeable
- (4) 1-wire sensor