



## Main

|                              |                                              |
|------------------------------|----------------------------------------------|
| Range of product             | Modicon TM5                                  |
| Product or component type    | Power distribution module with internal fuse |
| Product specific application | Supply 24 V DC I/O modules and bus TM5       |

## Complementary

|                             |                                                                                                                                          |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility         | Modicon LMC058<br>Modicon M258                                                                                                           |
| Product compatibility       | Motion controller<br>Logic controller                                                                                                    |
| [Us] rated supply voltage   | 24 V                                                                                                                                     |
| Network type                | DC                                                                                                                                       |
| Power supply output current | 6.3 A for I/O power segment<br>1136 mA for TM5 power bus 14...131 °F (-10...55 °C)<br>740 mA for TM5 power bus 131...140 °F (55...60 °C) |
| Power dissipation in W      | <= 2.13 W                                                                                                                                |
| Color                       | Grey                                                                                                                                     |
| Short-circuit protection    | 6.3 A with internal fuse                                                                                                                 |
| Current consumption         | <= 34 mA 24 V DC                                                                                                                         |
| Marking                     | CE                                                                                                                                       |
| Product weight              | 0.07 lb(US) (0.03 kg)                                                                                                                    |

## Environment

|                                       |                                                                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| standards                             | CSA C22.2 No 142<br>IEC 61131-2<br>UL 508<br>CSA C22.2 No 213                                                                                                                                          |
| product certifications                | CSA<br>C-Tick<br>CULus<br>GOST-R                                                                                                                                                                       |
| ambient air temperature for operation | 14...122 °F (-10...50 °C) vertical installation<br>14...131 °F (-10...55 °C) without derating factor horizontal installation<br>131...140 °F (55...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)                                                                                                                                                                            |
| storage altitude                      | 0...9842.52 ft (0...3000 m)                                                                                                                                                                            |
| vibration resistance                  | 1 gn 8.4...150 Hz DIN rail<br>3.5 mm 5...8.4 Hz DIN rail                                                                                                                                               |
| shock resistance                      | 15 gn 11 ms                                                                                                                                                                                            |
| resistance to electrostatic discharge | 4 kV on contact conforming to EN/IEC 61000-4-2<br>8 kV in air conforming to EN/IEC 61000-4-2                                                                                                           |
| resistance to electromagnetic fields  | 0.91 V/yd (1 V/m) 2...2.7 GHz conforming to EN/IEC 61000-4-3<br>9.14 V/yd (10 V/m) 80...2000 MHz conforming to EN/IEC 61000-4-3                                                                        |
| resistance to fast transients         | 1 kV I/O conforming to EN/IEC 61000-4-4                                                                                                                                                                |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                |                                                                                                            |
|--------------------------------|------------------------------------------------------------------------------------------------------------|
|                                | 1 kV shielded cable conforming to EN/IEC 61000-4-4<br>2 kV power lines conforming to EN/IEC 61000-4-4      |
| surge withstand                | 0.5 kV differential mode conforming to EN/IEC 61000-4-5<br>1 kV common mode conforming to EN/IEC 61000-4-5 |
| electromagnetic compatibility  | EN/IEC 61000-4-6                                                                                           |
| disturbance radiated/conducted | CISPR 11                                                                                                   |

Offer Sustainability

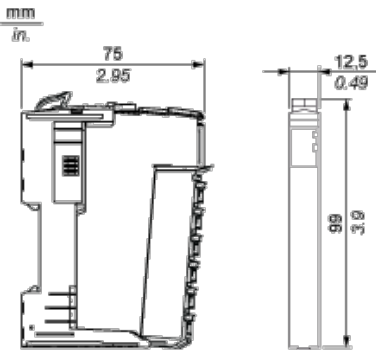
|                                                                                                                                  |                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                            | Green Premium product                                                                                                            |
| Compliant - since 1039 - Schneider Electric declaration of conformity                                                            | Compliant - since 1039 - Schneider Electric declaration of conformity                                                            |
| Reference not containing SVHC above the threshold                                                                                | Reference not containing SVHC above the threshold                                                                                |
| Available                                                                                                                        | Available                                                                                                                        |
| Available                                                                                                                        | Available                                                                                                                        |
| WARNING: This product can expose you to chemicals including:                                                                     | 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. | 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>                                    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |

Contractual warranty

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

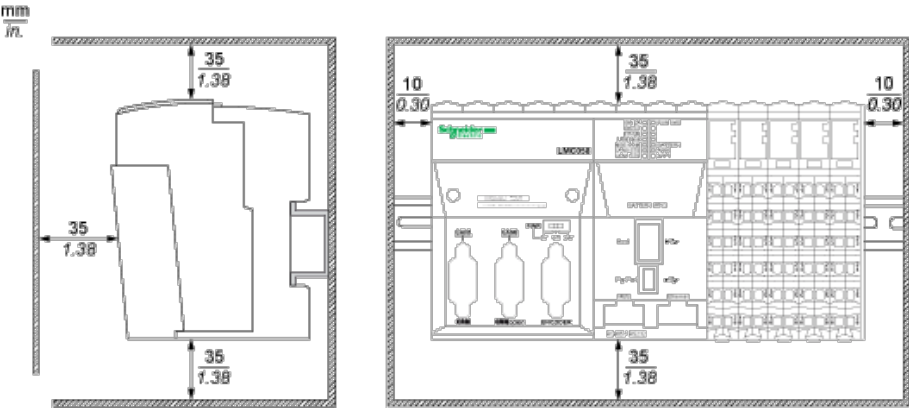
TM5 Slice

Dimensions

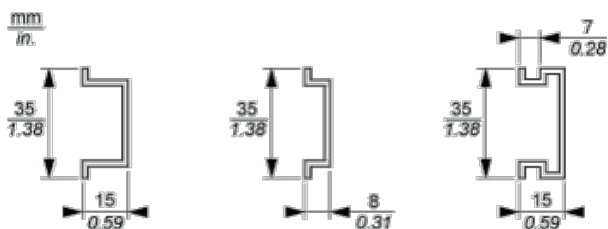


TM5 System

Spacing Requirements



Mounting on a DIN Rail



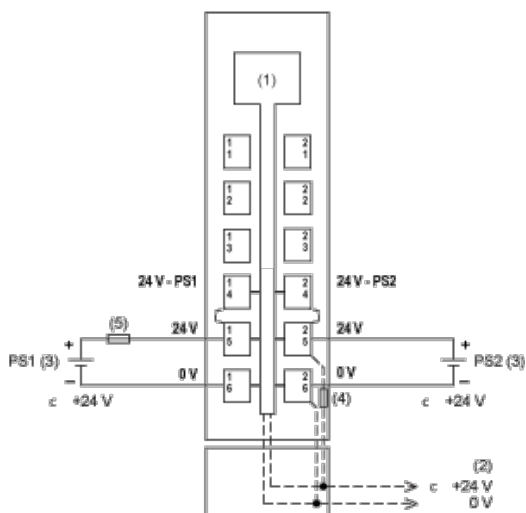
## TM5 System Wiring Recommendations

### Wire Sizes to Use with the Removable Spring Terminal Blocks

| mm<br>in.       |  |  |  |  |
|-----------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| mm <sup>2</sup> | 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                                                                   |

## PDM Electronic Module 24 Vdc I/O Fuse 6.3 A and TM5 Power Bus

### Wiring Diagram



- (1) Internal electronics
- (2) 24 Vdc I/O power segment integrated into the bus bases
- (3) PS1/PS2: External isolated SELV power supplies limited to 200 VA for UL508 conformance, or limited to 150 VA for CSA 22.2, N° 142 conformance
- (4) Integrated fuse type T slow-blow 10 A 250 V exchangeable
- (5) External fuse type T slow-blow 1 A 250 V

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкурентоспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)

Email: [org@lifeelectronics.ru](mailto:org@lifeelectronics.ru)

[www.lifeelectronics.ru](http://www.lifeelectronics.ru)