

# Product data sheet

Specifications



## Power distribution module, Modicon TM5, common 6 x 0 V DC, 6 x 24 V DC

TM5SPDG6D6F

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

### Main

|                           |                                       |
|---------------------------|---------------------------------------|
| Range of Product          | Modicon TM5                           |
| Product or Component Type | Power distribution module             |
| Product Compatibility     | Motion controller<br>Logic controller |
| Range Compatibility       | Modicon LMC058<br>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                | GOST-R<br>C-tick<br>CSA<br>CULus                                                                                                                                                             |
| Standards                             | UL 508<br>IEC 61131-2<br>CSA C22.2 No 213<br>CSA C22.2 No 142                                                                                                                                |
| Ambient air temperature for operation | 32...122 °F (0...50 °C) vertical installation)<br>32...131 °F (0...55 °C) without derating horizontal installation)<br>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<br>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              | 3595864074986 |
| Returnability     | No            |
| Country of origin | AT            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Nbr. of units in pkg.        | 1                       |
| Package 1 Height             | 0.748 in (1.900 cm)     |
| Package 1 Width              | 2.323 in (5.900 cm)     |
| Package 1 Length             | 4.094 in (10.400 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             | 9.116 lb(US) (4.135 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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                       | 143 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq.                                  |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 141 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                                                                                                                                                                                                                          |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                      |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                                 |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| PVC free                               | Yes                                                                                                                                                                                                                                                                                         |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



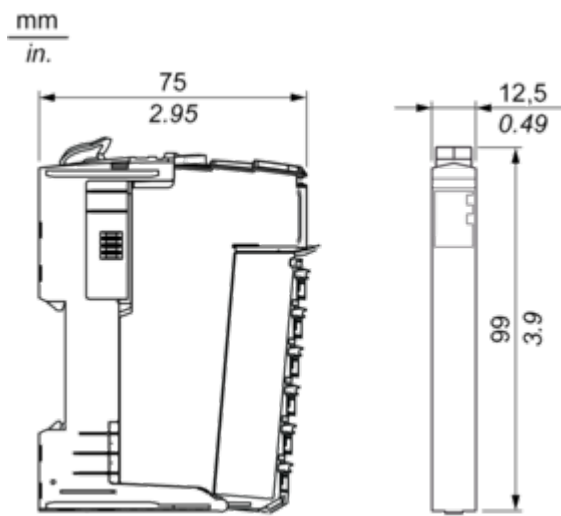
### Repack and remanufacture

|                               |                                                                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 0                                                                                                                                                                                                                |
| Circularity Profile           | <a href="#">End of Life Information</a>                                                                                                                                                                          |
| 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

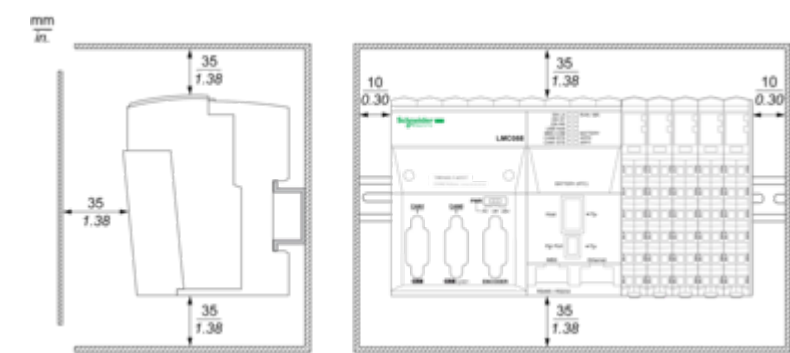
Dimensions



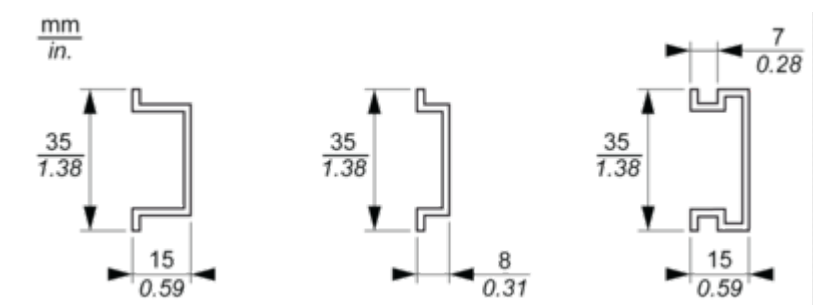
Mounting and Clearance

TM5 System

Spacing Requirements



Mounting on a DIN Rail



Connections and Schema

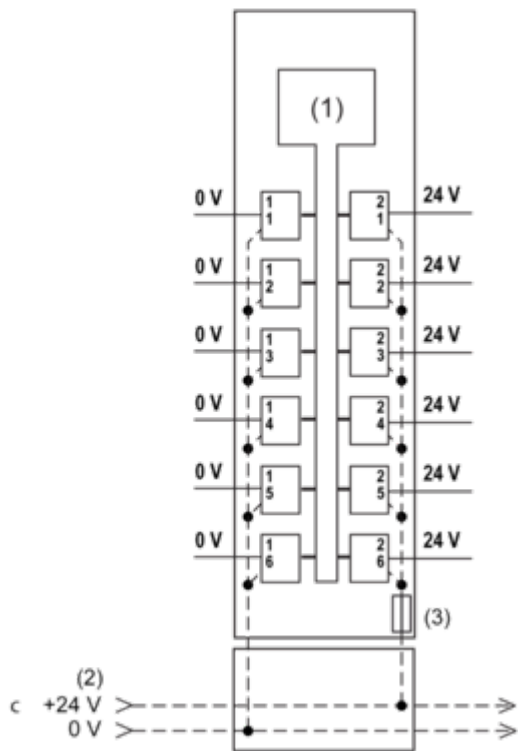
TM5 System Wiring Recommendations

Wire Sizes to Use with the Removable Spring Terminal Blocks

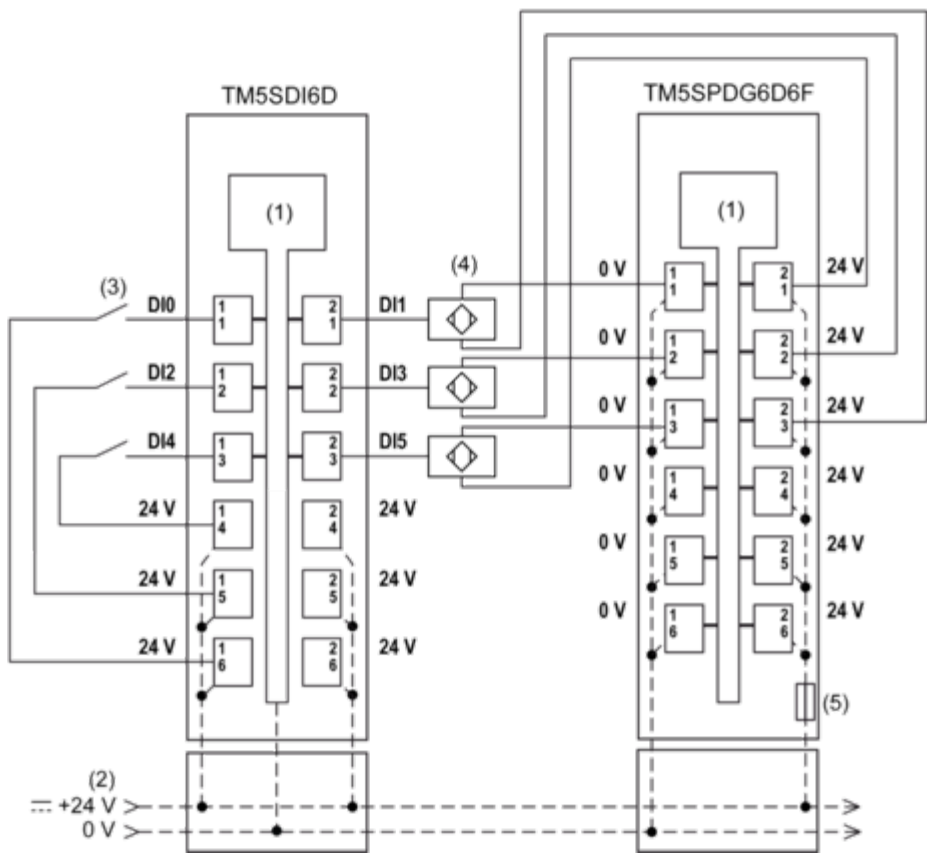
|                                                                                           |            |            |            |                     |
|-------------------------------------------------------------------------------------------|------------|------------|------------|---------------------|
| <div><div>mm</div><div>in.</div></div> <div><div>9</div><div>0.35</div></div> <div></div> |            |            |            |                     |
| 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     |

Electronic Module 6 x 0 Vdc and 6 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 TM5SDI6D:



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