

### Main

|                           |                              |
|---------------------------|------------------------------|
| Range of product          | Modicon TM5                  |
| Product or component type | CANopen communication module |

### Complementary

|                            |   |
|----------------------------|---|
| Range compatibility        | Modicon LMC058<br>Modicon M258  |
| Product compatibility      | Motion controller<br>Logic controller   |
| Integrated connection type | 1 isolated serial link, male SUB-D 9 CANopen, 10, 20, 50, 125, 250, 500, 800, 1000 Kbit/s and autodetected  |
| Current consumption        | 300 mA  |
| Power dissipation in W     | 1.5 W   |
| Colour                     | White   |
| Local signalling           | 1 LED yellow for controller communication status on TM5 bus (TxD)<br>1 LED red for CAN status (ERROR)<br>1 LED green/red for CAN status (RUN)<br>1 LED green/red for power supply (PWR) |
| Electrical connection      | Removable spring terminal block   |
| Marking                    | CE  |
| Product weight             | 0.05 kg   |

### Environment

|                                       |  |
|---------------------------------------|--|
| Standards                             | CSA 22-2 No 142<br>IEC 61131-2<br>UL 508<br>CSA 22-2 No 213  |
| Product certifications                | CSA<br>C-Tick<br>CULus<br>GOST-R   |
| Ambient air temperature for operation | -10...60 °C with derating factorhorizontal installation<br>-10...55 °C without derating factorhorizontal installation<br>-10...50 °C vertical installation |
| Ambient air temperature for storage   | -40...70 °C  |
| Relative humidity                     | 5...95 % without condensation  |
| IP degree of protection               | IP20 conforming to IEC 61131-2   |
| Pollution degree                      | 2 conforming to IEC 60664  |
| Operating altitude                    | 0...2000 m   |
| Storage altitude                      | 0...3000 m   |
| Vibration resistance                  | 3.5 mm 5...8.4 Hz DIN rail<br>1 gn 8.4...150 Hz DIN rail   |
| Shock resistance                      | 15 gn for 11 ms  |

|                                       |  |
|---------------------------------------|--|
| Resistance to electrostatic discharge | 8 kV in air conforming to EN/IEC 61000-4-2<br>4 kV on contact conforming to EN/IEC 61000-4-2   |
| Resistance to electromagnetic fields  | 10 V/m 80 MHz...2 GHz conforming to EN/IEC 61000-4-3<br>1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3   |
| Resistance to fast transients         | 2 kV power lines conforming to EN/IEC 61000-4-4<br>1 kV shielded cable conforming to EN/IEC 61000-4-4<br>1 kV I/O conforming to EN/IEC 61000-4-4 |
| Surge withstand                       | 1 kV common mode conforming to EN/IEC 61000-4-5<br>0.5 kV differential mode conforming to EN/IEC 61000-4-5                                       |
| Electromagnetic compatibility         | EN/IEC 61000-4-6   |
| Disturbance radiated/conducted        | CISPR11  |

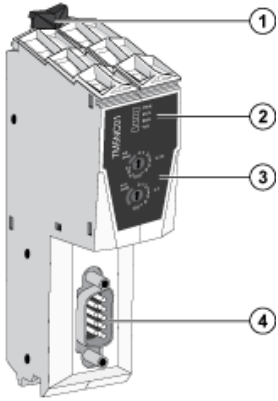
### Offer Sustainability

|                          |  |
|--------------------------|--|
| Sustainable offer status | Not Green Premium product  |
| RoHS                     | Compliant - since 1039 - Schneider Electric declaration of conformity <a href="#">download declaration of conformity</a> |

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CANopen Interface Module

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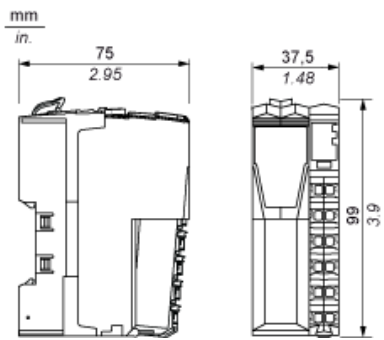
- (1) Locking clip
- (2) Status LEDs
- (3) CANopen address and bit-rate setting rotary switches
- (4) CANopen bus connector (SUB-D 9)

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TM5 Field Bus Interface

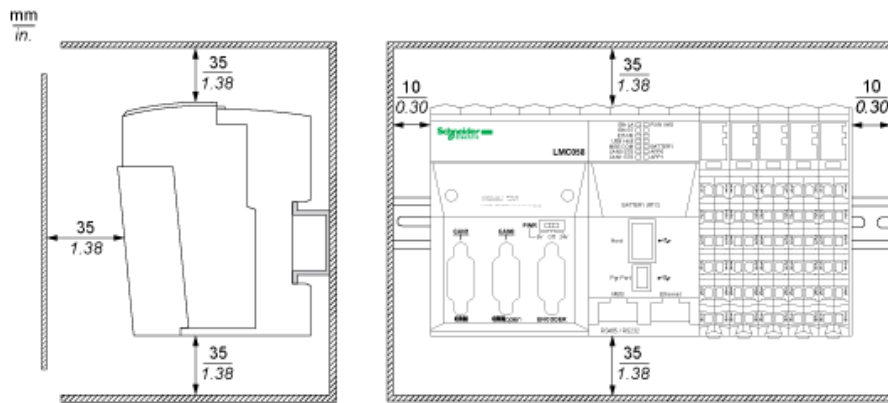
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Dimensions

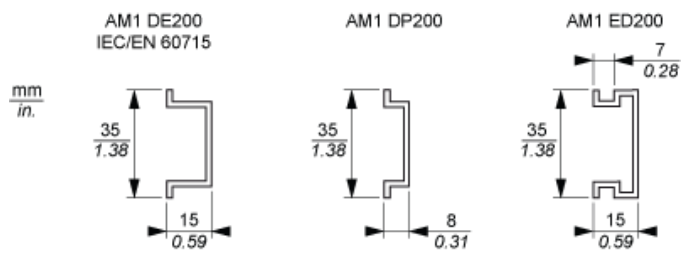


TM5 System

Spacing Requirements



Mounting on a DIN Rail








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TM5 System Wiring Recommendations

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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   |   |