



### Main

|                           |                                        |
|---------------------------|----------------------------------------|
| Range of product          | Modicon TM5                            |
| Product or component type | ASCII serial link communication module |
| Physical interface        | RS232                                  |

### 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 Modbus ASCII (RS232), 115.2 kbit/s max |
| Maximum power dissipation in W | 0.33 W                                                                      |
| Marking                        | CE                                                                          |
| Net weight                     | 0.05 kg                                                                     |

### Environment

|                                       |                                                                                                                                                        |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | CSA C22.2 No 213<br>CSA C22.2 No 142<br>IEC 61131-2<br>UL 508                                                                                          |
| Product certifications                | C-Tick<br>GOST-R<br>CULus<br>CSA                                                                                                                       |
| Ambient air temperature for operation | 0...55 °C without derating (horizontal installation)<br>0...60 °C with derating factor (horizontal installation)<br>0...50 °C (vertical installation)  |
| Ambient air temperature for storage   | -25...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                  | 1 gn at 8.4...150 Hz on DIN rail<br>3.5 mm at 5...8.4 Hz on DIN rail                                                                                   |
| Shock resistance                      | 15 gn for 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  | 1 V/m 2...2.7 GHz conforming to EN/IEC 61000-4-3<br>10 V/m 80 MHz...2 GHz conforming to EN/IEC 61000-4-3                                               |
| Resistance to fast transients         | 1 kV (I/O) conforming to EN/IEC 61000-4-4<br>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                                                                                                   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 68 g     |
| Package 1 Height             | 3.1 cm   |
| Package 1 width              | 6 cm     |
| Package 1 Length             | 10.4 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 48       |
| Package 2 Weight             | 3.264 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

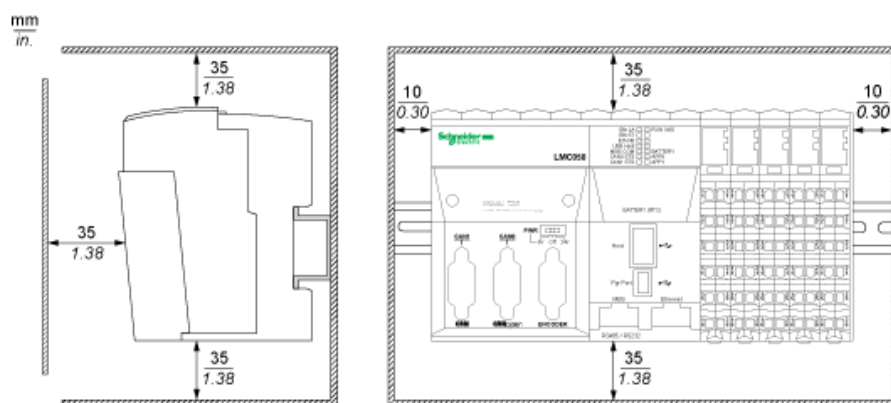
|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                              |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                      |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| PVC free                   | Yes                                                                                                                         |

## Contractual warranty

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

## TM5 System

### Spacing Requirements



### Mounting on a DIN Rail

