

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



### Main

|                           |   |
|---------------------------|---|
| Range of product          | Modicon TM5   |
| Product or component type | Counter module  |
| Function of module        | 24 V DC encoder power supply<br>2 x 24 V DC sink auxiliary inputs |
| Discrete input number     | 1   |
| Counting frequency        | 1 MHz   |
| Encoder type              | 1 absolute encoder  |

### Complementary

|                           |  |
|---------------------------|--|
| Range compatibility       | Modicon LMC058<br>Modicon M258                 |
| Product compatibility     | Motion controller<br>Logic controller          |
| Counter inputs resolution | 32 bits  |
| Cycle time                | <= 2 ms  |
| Input compatibility       | 1 absolute encoder (5 V)                       |
| Isolation                 | 500 Vrms AC insulation between channel and bus |
| Discrete input logic      | Sink   |
| Discrete input voltage    | 24 V DC  |
| Discrete input current    | 3.3 mA at 24 V                                 |
| Input resistance          | 7.19 kOhm                                      |
| Current consumption       | 2 mA 5 V DC bus<br>63 mA 24 V DC input/output  |
| Power dissipation in W    | <= 1.51 W                                      |
| Marking                   | CE   |

### 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 | 32...131 °F (0...55 °C) without derating factor horizontal installation<br>32...140 °F (0...60 °C) with derating factor horizontal installation<br>32...122 °F (0...50 °C) vertical installation |
| Ambient air temperature for storage   | -13...158 °F (-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...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<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   |

### Ordering and shipping details

|                       |                      |
|-----------------------|----------------------|
| Category              | 22532 - M258 PLC     |
| Discount Schedule     | PC12                 |
| GTIN                  | 00785901983866       |
| Nbr. of units in pkg. | 1                    |
| Package weight(Lbs)   | 8.999999999999997E-2 |
| Returnability         | N                    |
| Country of origin     | AT                   |

### Offer Sustainability

|                                  |  |
|----------------------------------|--|
| Sustainable offer status         | Green Premium product  |
| RoHS (date code: YYWW)           | Compliant - since 1039 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold  |
| Product environmental profile    | Available <a href="#">Product Environmental Profile</a>  |
| Product end of life instructions | Available <a href="#">End Of Life Information</a>  |
| California proposition 65        | WARNING: This product can expose you to chemicals including:   |
| - - - - - Substance 1            | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.   |
| - - - - - More information       | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

### Contractual warranty

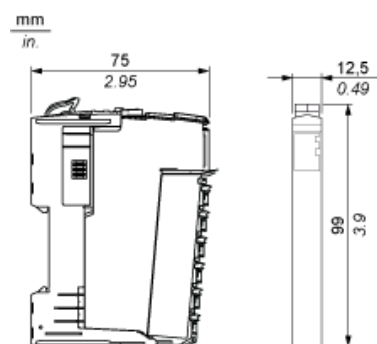
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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TM5 Slice

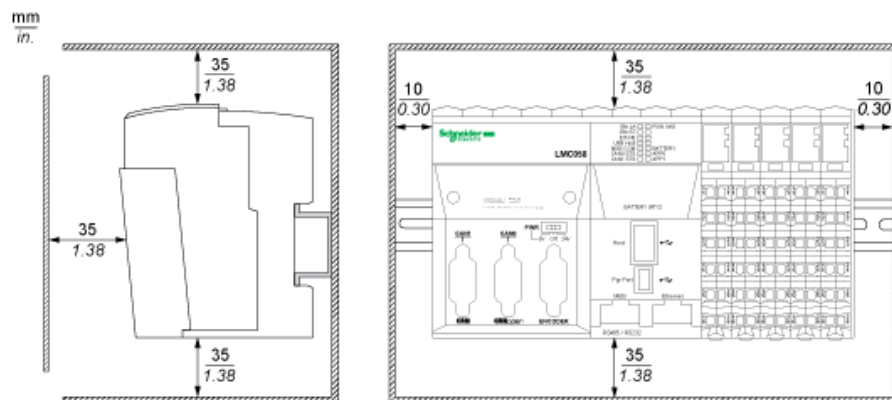
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Dimensions

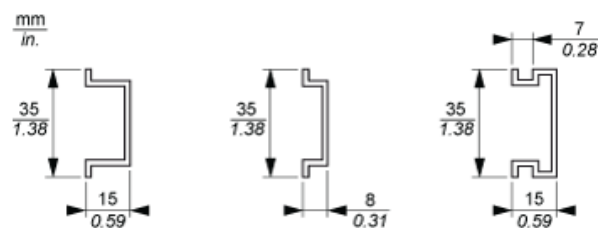


## TM5 System

### Spacing Requirements

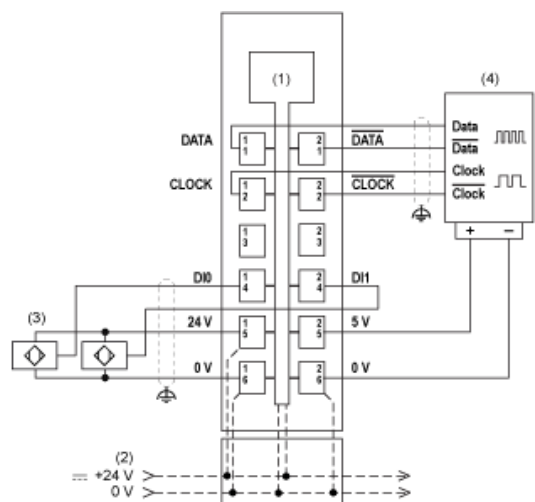


### Mounting on a DIN Rail



## Electronic Module 1 HSC SSI 1 Mb

### Wiring Diagram



- 1 Internal electronics
- 2 24 Vdc I/O power segment integrated into bus base
- 3 3-wire sensor
- 4 Encoder

# Mouser Electronics

Authorized Distributor

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