

# TM5PCDPS

profibus DP slave link - PCI communication module



## Main

|                           |                                  |
|---------------------------|----------------------------------|
| Range of product          | Modicon TM5                      |
| Product or component type | Profibus DP communication module |
| Physical interface        | RS485                            |

## Complementary

|                            |                                                                          |
|----------------------------|--------------------------------------------------------------------------|
| Range compatibility        | Modicon LMC058<br>Modicon M258                                           |
| Product compatibility      | Motion controller<br>Logic controller                                    |
| Method of access           | Slave V1                                                                 |
| Integrated connection type | 1 isolated serial link, female SUB-D 9 Profibus DP (RS485), <= 12 Mbit/s |
| Marking                    | CE                                                                       |
| Product weight             | 0.05 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 | 0...50 °C vertical installation<br>0...60 °C with derating factor horizontal installation<br>0...55 °C without derating factor horizontal 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                  | 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 | CISPR 11         |

### Offer Sustainability

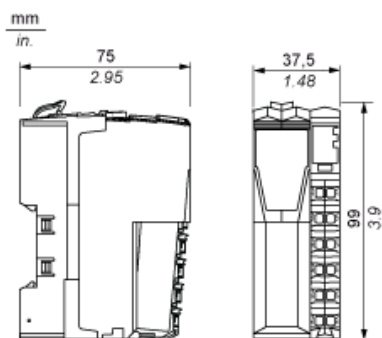
|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status      | Not Green Premium product                                                             |
| RoHS (date code: YYWW)        | Compliant - since 1152 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold                                     |
| Product environmental profile | Available                                                                             |

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TM5 Field Bus Interface

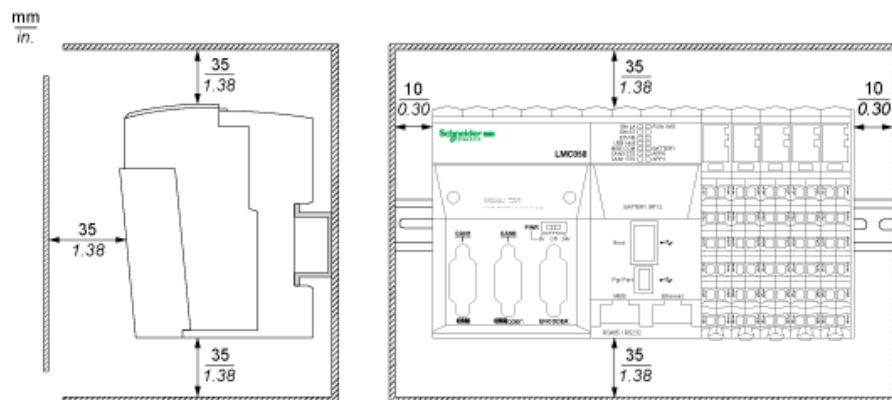
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Dimensions

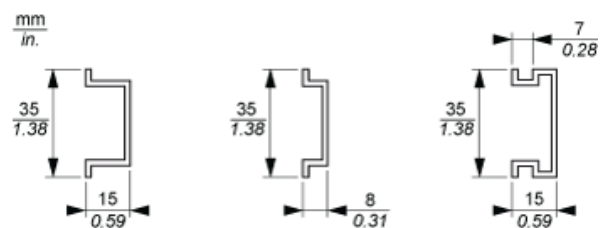


## TM5 System

### 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

| <br>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                                                                   |