

# Product data sheet

Specifications



## IP20 I/O Distributed Performance EtherNet/IP FieldBus Interface TM5 Module

TM5NEIP1

### Main

|                              |                    |
|------------------------------|--------------------|
| Product or component type    | Ethernet module    |
| Product specific application | Bus coupler module |

### Complementary

|                            |                                                                                                                                                          |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range compatibility        | Modicon TM5<br>Modicon TM7                                                                                                                               |
| Product compatibility      | Logic controller<br>Motion controller                                                                                                                    |
| Integrated connection type | Ethernet/IP                                                                                                                                              |
| Connector type             | RJ45 2 Ethernet daisy chain shielded                                                                                                                     |
| Exchange mode              | Half duplex, full duplex, autonegotiation, auto MDIX                                                                                                     |
| Transmission rate          | 10/100 Mbit/s                                                                                                                                            |
| Web server                 | Embedded                                                                                                                                                 |
| Local signalling           | 1 LED green/red for module status<br>1 LED green/red for network<br>1 LED green for Ethernet activity (ETH1)<br>1 LED green for Ethernet activity (ETH2) |
| Marking                    | CE<br>EAC<br>UL<br>CSA                                                                                                                                   |
| Width                      | 25 mm                                                                                                                                                    |
| Height                     | 99 mm                                                                                                                                                    |
| Depth                      | 75 mm                                                                                                                                                    |
| Net weight                 | 0.025 kg                                                                                                                                                 |

### Environment

|                                       |                                                                                                                                                       |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 61131-2:2007<br>UL 508                                                                                                                            |
| Electromagnetic compatibility         | Emission standard for industrial environments conforming to IEC 61000-6-4 2011/A1<br>Immunity for industrial environments conforming to IEC 61000-6-2 |
| Product certifications                | UL 508<br>CSA 22-2 No 142-M1987<br>CSA 22-2 No 213-M1987                                                                                              |
| Ambient air temperature for operation | -20...60 °C (horizontal position)<br>-20...50 °C (vertical position)                                                                                  |
| Ambient air temperature for storage   | -40...85 °C                                                                                                                                           |
| Relative humidity                     | 5...95 % non-condensing                                                                                                                               |

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

|                                       |                                                                                                                                                                                                                                                          |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection               | IP20                                                                                                                                                                                                                                                     |
| Pollution degree                      | 2 conforming to IEC 60664                                                                                                                                                                                                                                |
| Environmental characteristic          | No corrosion resistance                                                                                                                                                                                                                                  |
| Operating altitude                    | 0...2000 m                                                                                                                                                                                                                                               |
| Storage altitude                      | 0...3000 m                                                                                                                                                                                                                                               |
| Vibration resistance                  | 3.5 mm constant amplitude at 5...84 Hz on 35 x 15 mm symmetrical DIN rail<br>9.8 m/s² constant acceleration at 8.4...150 Hz                                                                                                                              |
| Shock resistance                      | 147 m/s² for 11 ms                                                                                                                                                                                                                                       |
| Resistance to electrostatic discharge | 4 kV contact discharge conforming to IEC 61000-4-2<br>8 kV air discharge conforming to IEC 61000-4-2                                                                                                                                                     |
| Resistance to electromagnetic fields  | 1 V/m 2...2.7 GHz conforming to IEC 61000-4-3<br>10 V/m 80 MHz...2 GHz conforming to IEC 61000-4-3                                                                                                                                                       |
| Resistance to fast transients         | 1 kV (I/O) conforming to IEC 61000-4-4<br>1 kV (shielded cable) conforming to IEC 61000-4-4<br>2 kV (power lines) conforming to IEC 61000-4-4                                                                                                            |
| Surge withstand                       | 0.5 kV in differential mode 24 V DC conforming to IEC 61000-4-5<br>1 kV in common mode 24 V DC conforming to IEC 61000-4-5<br>1 kV in differential mode 230 V AC conforming to IEC 61000-4-5<br>2 kV in common mode 230 V AC conforming to IEC 61000-4-5 |
| Disturbance radiated/conducted        | 10 V 0.15...80 MHz conforming to IEC 61000-4-6                                                                                                                                                                                                           |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 3.200 cm  |
| Package 1 Width              | 6.000 cm  |
| Package 1 Length             | 10.500 cm |
| Package 1 Weight             | 71.000 g  |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 50        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 3.890 kg  |

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  |                                               |
|--------------------------|-----------------------------------------------|
| 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                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| REACH Regulation                       | <a href="#">REACH Declaration</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 Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <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 |