

# STBNIP2212

## standard Network Interface Module STB - Ethernet - 10 Mbit/s



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Modicon STB distributed I/O solution  |
| Product or component type     | Standard Network Interface Module   |
| Concept                       | Transparent Ready   |
| Port Ethernet                 | 10BASE-T  |
| Number of segments            | 1 primary, maximum 6 extensions   |
| Number of devices per segment | 0...256   |
| Transmission rate             | 10 Mbit/s for bus length of 3000 m with fiber optic connection<br>10 Mbit/s for bus length of 0...100 m according to 802.3 standard<br>10 Mbit/s for bus length of 0...1000 m with ConneXium cabling system |
| Structure type                | Industrial LAN  |

### Complementary

|                                  |   |
|----------------------------------|---|
| Number of addressable I/O module | 0...32 per island   |
| Communication service            | SNMP agent<br>Modbus TCP/IP messaging<br>Embedded web (configuration,diagnostics and access to variable)<br>BootP/DHCP protocol   |
| [Us] rated supply voltage        | 24 V DC   |
| Power supply type                | SELV  |
| Maximum supply current           | 700 A   |
| Supply voltage limits            | 19.2...30 V   |
| Input current                    | 430 mA for supply circuit   |
| Nominal output current           | 0.575 A at 60...70 °C<br>1.2 A  |
| Output voltage                   | 5.25 V DC (tolerance: +/- 0.21 %) for logic bus   |
| Marking                          | CE  |
| Overvoltage category             | II  |
| Status LED                       | 1 LED (green)status<br>1 LED (green)10T<br>1 LED (green)island state (RUN)<br>1 LED (green)power supply (PWR)<br>1 LED (red)module error (ERR)<br>1 LED (yellow)test mode |
| Depth                            | 70 mm   |
| Height                           | 128.3 mm  |
| Width                            | 40.5 mm   |
| Net weight                       | 0.13 kg   |

### Environment

|                               |  |
|-------------------------------|--|
| Electromagnetic compatibility | Immunity to electromagnetic interference conforming to IEC 61131-2 |
| Product certifications        | CSA<br>UL<br>FM Class 1 Division 2<br>ATEX Cat 3G<br>C-Tick        |
| Pollution degree              | 2 conforming to IEC 60664-1  |
| Operating altitude            | <= 2000 m  |
| IP degree of protection       | IP20 conforming to EN 61131-2 class 1                              |

|                                       |   |
|---------------------------------------|---|
| Ambient air temperature for operation | 0...60 °C (without derating)<br>-25...70 °C (with derating factor)  |
| Ambient air temperature for storage   | -40...85 °C   |
| Relative humidity                     | 95 % at 60 °C without condensation  |
| Vibration resistance                  | 3 gn at 58...150 Hz on 35 x 7.5 mm symmetrical DIN rail<br>5 gn at 58...150 Hz on 35 x 15 mm symmetrical DIN rail<br>+/-0.35 mm at 10...58 Hz |
| Shock resistance                      | 30 gn for 11 ms conforming to IEC 88 reference 2-27   |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Weight             | 171 g  |
| Package 1 Height             | 2.5 cm |
| Package 1 width              | 8 cm   |
| Package 1 Length             | 13 cm  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                              |
| 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>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

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

## Dimensions

