

STBNMP2212

standard Network Interface Module STB - Modbus Plus - 1 Mbit/s



Main

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| Range of product | Modicon STB distributed I/O solution |
| Product or component type | Standard Network Interface Module |
| Integrated connection type | Modbus Plus conforming to modbus.org 8-way female (RS232 port) Modbus Plus conforming to modbus.org HE-13 (RS232 port) Modbus Plus conforming to modbus.org 9-way female SUB-D connector 1 twisted pair (network) |
| Number of segments | 1 primary, maximum 6 extensions |
| Number of devices per segment | 0...32 |
| Number of devices | 0...64 |
| Transmission rate | 1 Mbit/s for bus length of 0...450 m per segment 1 Mbit/s for bus length of 0...1800 m per segment with 3 repeaters |
| Structure type | Industrial LAN |

Complementary

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| Number of addressable I/O module | 0...32 per island |
| Communication service | Global Data Peer cop dialogue Peer to peer dialogue |
| [Us] rated supply voltage | 24 V DC |
| Power supply type | SELV |
| Supply current | >= 700 mA |
| Supply voltage limits | 19.2...30 V |
| Input current | 430 mA for supply circuit |
| Nominal output current | 0.575 A (60...70 °C) 1.2 A |
| Output voltage | 5.25 V DC (tolerance: +/- 0.21 %) for logic bus |
| Marking | CE |
| Overvoltage category | II |
| Status LED | 1 LED yellow for test mode 1 LED yellow for MB+ 1 LED red for module error (ERR) 1 LED green for power supply (PWR) 1 LED green for island state (RUN) |
| Depth | 70 mm |
| Height | 40 mm |
| Width | 128.3 mm |
| Product weight | 0.145 kg |

Environment

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

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

Offer Sustainability

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| Sustainable offer status | Not Green Premium product |
| RoHS (date code: YYWW) | Will be Compliant on 4Q2013 |

Dimensions

