

# Product datasheet

Specifications



## Ethernet / Serial RTU module - 2 x RJ45

BMXNOR0200H

### Main

|                            |                                                                                                                                                            |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product           | Modicon M340                                                                                                                                               |
| Product or component type  | Communication module                                                                                                                                       |
| Integrated connection type | Ethernet RJ45 10/100 Mbit/s 1 twisted pair transparent ready class C30<br>Serial RS232/485 RJ45 300/38400 bit/s 1 twisted pair transparent ready class C30 |
| Protective treatment       | Conformal coating                                                                                                                                          |

### Complementary

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication service | Bandwidth management<br>Modbus TCP messaging<br>DNP3/DNP3 IP protocol<br>IEC 60870-5 -101/-104 protocol<br>Time stamped events management<br>External modem management (serial, PSTN, GSM, GPRS/3G)<br>Data logging in CSV files<br>Email/SMS notifications<br>Web server, rack viewer, data editor<br>BootP, DHCP, FDR client<br>SMTP server, FTP client/server, NTP client, SNMP agent,<br>Automatic events backup on power loss<br>Multi-protocols support in a single module (master and slave)<br>Transparent events routing from remote slaves to SCADA |
| Port Ethernet         | 10BASE-T/100BASE-TX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Memory description    | Supplied Flash SD memory card (BMXRWS128MWF) 128000 kB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Memory usage          | Activating the standard web server<br>User web pages storage<br>Data logging CSV files storage                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Supply                | Internal power supply via rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Local signalling      | 1 LED (green) for activity on Ethernet network (ETH ACT)<br>1 LED (green) for processor running (RUN)<br>1 LED (green) for status of Ethernet network (ETH STS)<br>1 LED (red) for memory card fault (CARD ERR)<br>1 LED (red) for processor or system fault (ERR)<br>1 LED (red) for download in progress (DL)<br>1 LED (yellow) for serial communication (SER COM)<br>1 LED (green) for data rate (ETH LINK)                                                                                                                                                |
| Current consumption   | 95 mA at 24 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Module format         | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Net weight            | 0.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

### Environment

|                                       |             |
|---------------------------------------|-------------|
| Ambient air temperature for operation | -25...70 °C |
|---------------------------------------|-------------|

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relative humidity            | 10...95 % without condensation                                                                                                                                                                                                                                                                                                                                                                                                                   |
| IP degree of protection      | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Directives                   | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility<br>2014/34/EU - ATEX directive                                                                                                                                                                                                                                                                                                                                  |
| Product certifications       | CE<br>UL<br>CSA<br>RCM<br>EAC<br>Merchant Navy<br>ATEX zone 2/22<br>IECEX zone 2/22<br>UKCA                                                                                                                                                                                                                                                                                                                                                      |
| Standards                    | EN/IEC 61131-2<br>EN/IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>IACS E10<br>EN/IEC 61000-6-5, interface type 1 and type 2<br>EN/IEC 61850-3, location G<br>EN/IEC 60079-0                                                                                                                                                                                                                                                  |
| Environmental characteristic | Gas resistant class Gx conforming to ISA S71.04<br>Gas resistant class 3C4 conforming to IEC 60721-3-3<br>Dust resistant class 3S4 conforming to IEC 60721-3-3<br>Sand resistant class 3S4 conforming to IEC 60721-3-3<br>Salt resistant level 2 conforming to IEC 68252<br>Mold growth resistant class 3B2 conforming to IEC 60721-3-3<br>Fungal spore resistant class 3B2 conforming to IEC 60721-3-3<br>Hazardous location class I division 2 |

### Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 5.500 cm  |
| Package 1 Width              | 11.500 cm |
| Package 1 Length             | 12.000 cm |
| Package 1 Weight             | 257.000 g |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 15        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 4.248 kg  |

### Offer Sustainability

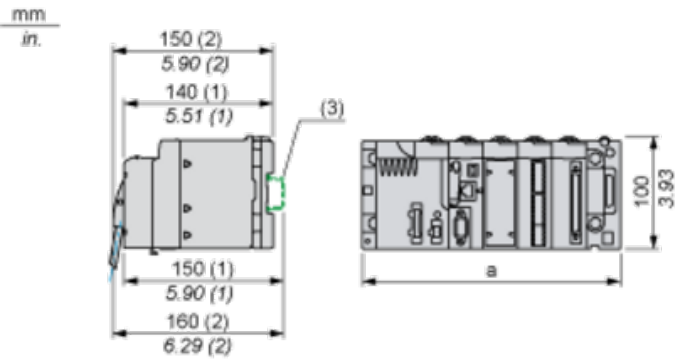
|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| Circularity Profile        | <a href="#">End of Life Information</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 |
|----------|-----------|

Modules Mounted on Racks

Dimensions



- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| Rack references            | a in mm | a in in. |
|----------------------------|---------|----------|
| BMXXBP0400 and BMXXBP0400H | 242.4   | 09.54    |
| BMXXBP0600 and BMXXBP0600H | 307.6   | 12.11    |
| BMXXBP0800 and BMXXBP0800H | 372.8   | 14.68    |
| BMXXBP1200 and BMXXBP1200H | 503.2   | 19.81    |

Recommended replacement(s)