

# Product datasheet

Specifications



## Ethernet TCP/IP network module M340 - transparent ready class B30 server

BMXNOE0100H

### Main

|                              |                                                                               |
|------------------------------|-------------------------------------------------------------------------------|
| Range Of Product             | Modicon M340 automation platform                                              |
| Product Or Component Type    | Ethernet TCP/IP network module                                                |
| Product Specific Application | For severe environments                                                       |
| Concept                      | Transparent Ready                                                             |
| Integrated Connection Type   | Ethernet TCP/IP RJ45 10/100 Mbit/s 1 twisted pair transparent ready class B30 |
| Protective Treatment         | Conformal coating                                                             |

### Complementary

|                       |                                                                                                                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication Service | Bandwidth management<br>Data Editor (via PC terminal)<br>FDR server<br>Rack Viewer<br>SNMP network administrator<br>Global Data<br>I/O scanning<br>Modbus TCP messaging<br>Web server configurable                                                                                                        |
| Port Ethernet         | 10BASE-T/100BASE-TX                                                                                                                                                                                                                                                                                       |
| Memory Description    | Supplied Flash memory card (BMXRWSC016M)                                                                                                                                                                                                                                                                  |
| Memory Usage          | Application saving<br>Activating the standard web server                                                                                                                                                                                                                                                  |
| Supply                | Internal power supply via rack                                                                                                                                                                                                                                                                            |
| Marking               | CE                                                                                                                                                                                                                                                                                                        |
| 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 data rate (ETH 100)<br>1 LED (red) for memory card fault (CARD ERR)<br>1 LED (red) for processor or system fault (ERR) |
| Control Type          | RESET push-button cold restart                                                                                                                                                                                                                                                                            |
| Current Consumption   | 90 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                           |

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

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                                                                              |
| Standards                    | IEC 61131-2<br>IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201<br>IACS E10<br>IEC 61000-6-5, interface type 1 and type 2<br>IEC 61850-3, location G<br>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              | 11.000 cm |
| Package 1 Length             | 12.000 cm |
| Package 1 Weight             | 246.000 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             | 3.705 kg  |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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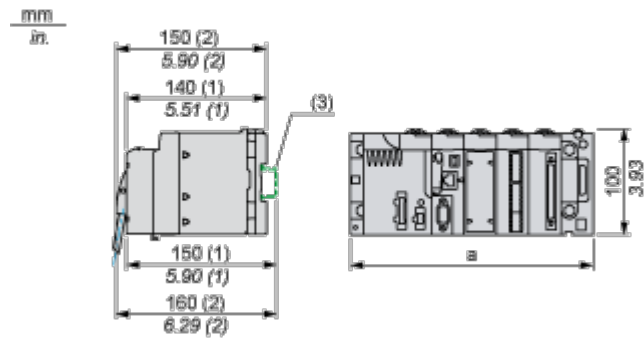
## Well-being performance

|                                                                                                              |                                                                                                                             |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
|  Mercury Free               |                                                                                                                             |
|  Rohs Exemption Information | <a href="#">Yes</a>                                                                                                         |
| Reach Regulation                                                                                             | <a href="#">REACH Declaration</a>                                                                                           |
| Eu Rohs Directive                                                                                            | Pro-active compliance (Product out of EU RoHS legal scope)                                                                  |
| China Rohs Regulation                                                                                        | <a href="#">China RoHS declaration</a>                                                                                      |
| Weee                                                                                                         | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

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    |