



## Main

|                           |                           |
|---------------------------|---------------------------|
| Range of product          | Modicon X80               |
| Product or component type | Ethernet RIO drop adaptor |

## Complementary

|                             |                                                                                                                                                                                                                                                         |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Bus type                    | Bus X across the remote backplane                                                                                                                                                                                                                       |
| Number of port              | 3                                                                                                                                                                                                                                                       |
| Integrated connection type  | Ethernet/IP for device network<br>Ethernet/IP for service port                                                                                                                                                                                          |
| Communication port protocol | EtherNet/IP                                                                                                                                                                                                                                             |
| Communication service       | RSTP support<br>The input data are collected and published to the remote I/O head adaptor<br>Output modules are updated with the data received from remote I/O head adaptor<br>Diagnostics for remote I/O devices<br>Configure IP parameters            |
| Function available          | CCOTF (configuration change on the fly)                                                                                                                                                                                                                 |
| Data recording              | 10 ms time stamps                                                                                                                                                                                                                                       |
| Topology                    | Daisy chain loop                                                                                                                                                                                                                                        |
| Local signalling            | 1 LED (green) for module active (RUN)<br>1 LED (red) for module error (ERR)<br>1 LED (green/red) for module status (Mod Status)<br>1 LED (green/red) for network communication status (Net Status)<br>1 LED (green) for Ethernet link diagnostics (STS) |
| Product compatibility       | multifunction input module BMXERT<br>Ethernet module BMXNOM<br>counter module BMXEHC<br>0...1024 discrete channel<br>0...256 analog channel                                                                                                             |
| Marking                     | CE                                                                                                                                                                                                                                                      |
| Module format               | Standard                                                                                                                                                                                                                                                |
| Maximum altitude transport  | 3000 m                                                                                                                                                                                                                                                  |

|                   |                           |
|-------------------|---------------------------|
| Relative humidity | 95 % without condensation |
|-------------------|---------------------------|

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | Conformal coating                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 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                             | 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 |
| IP degree of protection               | IP20                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Ambient air temperature for operation | -25...60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating altitude                    | <= 2000 m                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 277 g   |
| Package 1 Height             | 5.5 cm  |
| Package 1 width              | 11 cm   |
| Package 1 Length             | 12.5 cm |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 15      |
| Package 2 Weight             | 4.3 kg  |
| Package 2 Height             | 15 cm   |
| Package 2 width              | 30 cm   |
| Package 2 Length             | 40 cm   |

## Offer Sustainability

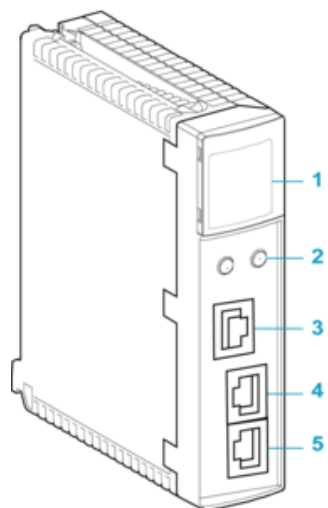
|                            |                                                                                                   |
|----------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                             |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                 |
| REACH free of SVHC         | Yes                                                                                               |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><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>                                                     |

|                           |                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                 |
| 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> |

### Contractual warranty

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

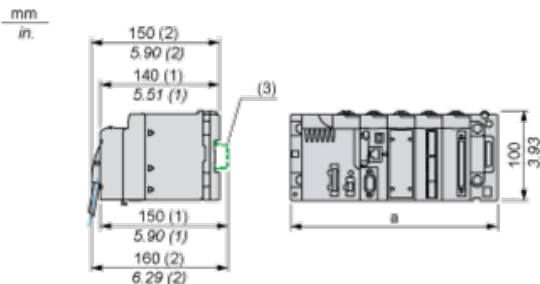
## Presentation



- 1 : LED display
- 2 : rotary switches
- 3 : SERVICE port (ETH 1)
- 4 : DEVICE NETWORK port (ETH 2)
- 5 : DEVICE NETWORK port (ETH 3)

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    |