



### Main

|                           |                      |
|---------------------------|----------------------|
| Range of product          | Modicon X80          |
| Product or component type | Fibre optic repeater |
| Optic fiber type          | Multi mode           |

### Complementary

|                      |                                                                                                                                                                      |
|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Rated voltage        | 24 V                                                                                                                                                                 |
| Current consumption  | 140 mA                                                                                                                                                               |
| Function available   | Hot swap                                                                                                                                                             |
| Number of port       | 2 fiber optic with 100BASE-FX port Ethernet conforming to IEEE 802.3u<br>2 RJ45 with 100BASE-TX port Ethernet conforming to IEEE 802.3u                              |
| Local signalling     | 2 LEDs - green for fiber port state and activity<br>2 LEDs - green for link status<br>1 LED - red for error condition (ERR)<br>1 LED - green for power supply status |
| Wavelength           | 1310 nm                                                                                                                                                              |
| Operating distance   | 0...2000 m                                                                                                                                                           |
| Attenuation          | -20...-14 dB (62.5/125 µm)<br>-23.5...-14 dB (50/125 µm)                                                                                                             |
| Rise/Fall time       | 3 ns                                                                                                                                                                 |
| Receiver sensitivity | - 31...- 14 dBm                                                                                                                                                      |
| Marking              | CE                                                                                                                                                                   |
| Width                | 32 mm                                                                                                                                                                |
| Height               | 100 mm                                                                                                                                                               |
| Depth                | 86 mm                                                                                                                                                                |
| Product weight       | 203 g                                                                                                                                                                |

### Environment

|                                       |                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------|
| Ambient air temperature for operation | 0...60 °C                                                                                        |
| Ambient air temperature for storage   | -40...70 °C                                                                                      |
| Relative humidity                     | <= 95 %                                                                                          |
| Dielectric strength                   | 500 V DC between channels<br>1400 V DC between field and bus                                     |
| IP degree of protection               | IP20                                                                                             |
| Operating altitude                    | 0...4000 m                                                                                       |
| Standards                             | CSA C22.2 No 142<br>EN 61131-2<br>FM Class 1 Division 2<br>UL 1604<br>UL 508<br>CSA C22.2 No 213 |
| Product certifications                | C-Tick<br>GOST<br>Merchant Navy                                                                  |

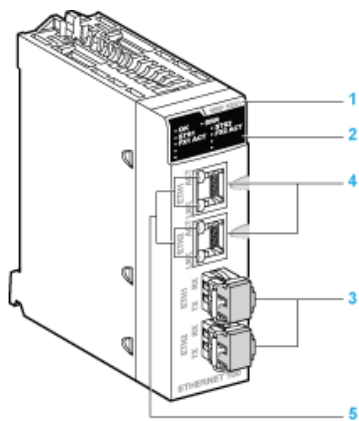
## Offer Sustainability

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status      | Not Green Premium product                                                             |
| RoHS (date code: YYWW)        | Compliant - since 1209 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold                                     |
| Product environmental profile | Available <a href="#">Download Product Environmental</a>                              |

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Presentation

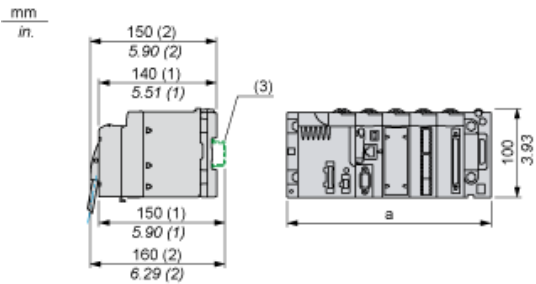
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- 1 : Model number
- 2 : LED display panel
- 3 : Optical port with SFP transceiver for LC-type connector
- 4 : RJ45 Ethernet port
- 5 : LNK and ACT LED indicators on the RJ45 Ethernet port

Modules Mounted on Racks

Dimensions

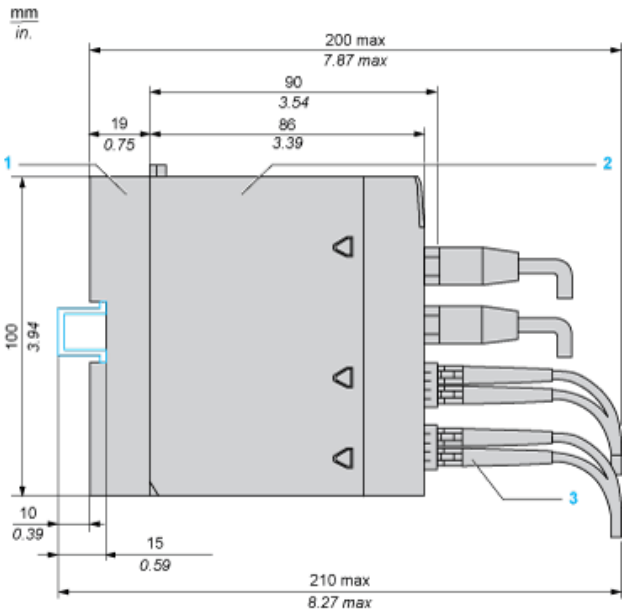


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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    |

Mechanical Specifications

Dimensions



- 1 : Backplane
- 2 : Module
- 3 : Cable connections