

# Product data sheet

Specifications



## fiber converter module;Modicon X80;single mode

BMXNRP0201

### Main

Range of product	Modicon X80
Product or component type	Fibre optic repeater
Optic fiber type	Single mode

### Complementary

Rated voltage	24 V
Current consumption	140 mA typical 200 mA maximum
Function available	Hot swap
Number of port	2 RJ45 with 100BASE-TX port Ethernet conforming to IEEE 802.3u 2 fiber optic with 100BASE-FX port Ethernet conforming to IEEE 802.3u
Local signalling	1 LED (green) for power supply status 1 LED (red) for error condition (ERR) 2 LEDs (green) for link status 2 LEDs (green) for fiber port state and activity
Wavelength	1310 nm
operating distance	0...15000 m
Attenuation	-15...-8 dB (9/125 µm)
Rise/fall time	2.5 ns
Receiver sensitivity	-31...-8 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	0...95 %
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility

<b>Product certifications</b>	CE RCM CSA EAC Merchant Navy UL
<b>Standards</b>	IEC 61010-2-201 IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
<b>Dielectric strength</b>	1400 V DC between field and bus 500 V DC between channels
<b>IP degree of protection</b>	IP20
<b>Operating altitude</b>	0...4000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.800 cm
<b>Package 1 Width</b>	11.000 cm
<b>Package 1 Length</b>	13.000 cm
<b>Package 1 Weight</b>	250.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	14
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	3.840 kg

## Contractual warranty

<b>Warranty</b>	18 months
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Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

### Environmental footprint

Total lifecycle Carbon footprint	167
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Environmental Disclosure	<a href="#">Product Environmental Profile</a>
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## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
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Packaging without single use plastic	Yes
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<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
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REACH Regulation	<a href="#">REACH Declaration</a>
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California proposition 65	<b>WARNING:</b> 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="#">www.P65Warnings.ca.gov</a>
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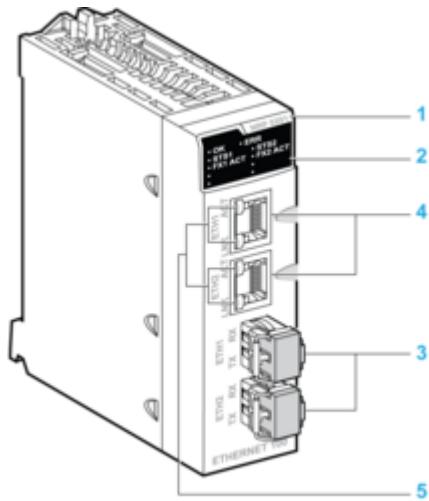
## Use Again

### Repack and remanufacture

End of life manual availability	<a href="#">End of Life Information</a>
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Take-back	No
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## Presentation

Presentation

1 : Model number

2 : LED display panel

3 : Optical port with SFP transceiver for LC-type connector

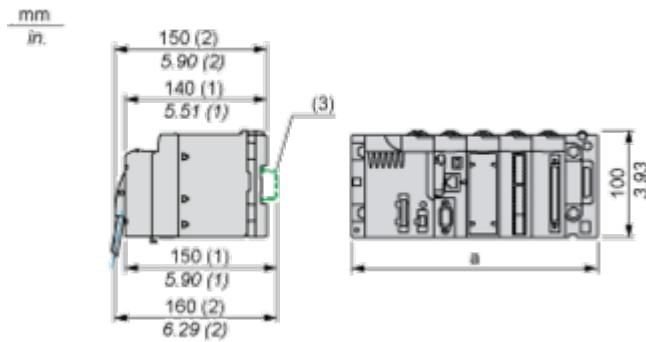
4 : RJ45 Ethernet port

5 : LNK and ACT LED indicators on the RJ45 Ethernet port

## 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

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**Mechanical Specifications**

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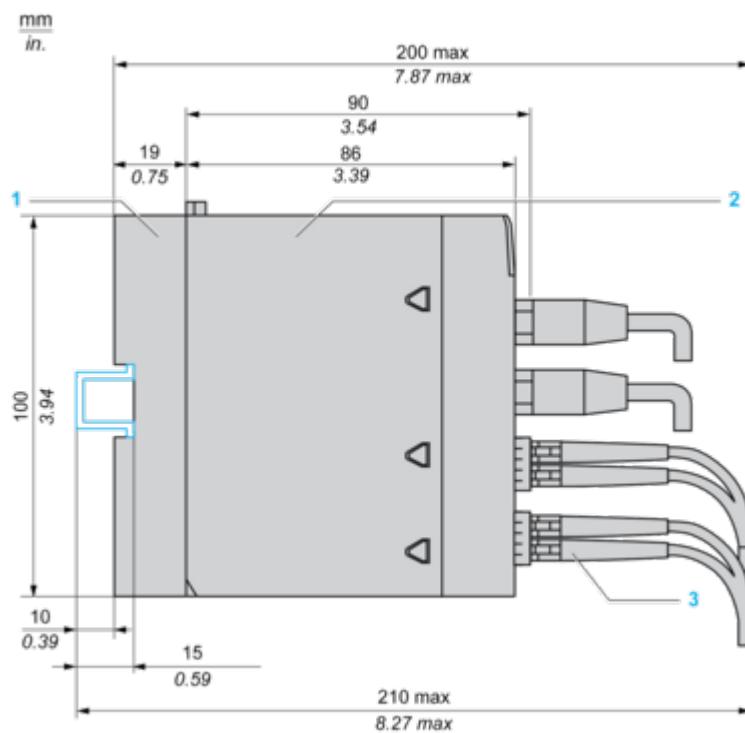
**Dimensions**

Image of product / Alternate images

**Alternative**

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