Product data sheet

Specifications



To be discontinued

remote IO drop E/IP, Modicon X80, standard

BMXCRA31200

To be discontinued on: Dec 1, 2027

To be end-of-service on: Dec 31, 2035

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Range Compatibility	Modicon M580 Modicon Quantum
Product or Component Type	I/O expansion module
Device Application	X80 Ethernet RIO drop adaptor
Product Specific Application	For remote I/O modules

Complementary

Bus type	Bus X across the remote backplane
Number of port	2
Integrated connection type	2 port Ethernet RIO Network (RSTP)
Communication Network Type	IPv4 (internet protocol)
Communication Port Protocol	EtherNet/IP
Communication Service	Ethernet/IP adapter RSTP (Ring topology support) Ethernet RIO network Quality of Service (QoS) CIP Explicit messaging (server) Modbus TCP server for module diagnostics DHCP client TFTP client FTP client FDR client SNTP client SNMP agent
Cybersecurity	Syslog protocol support
Connector Type	2 RJ45
Exchange mode	Half duplex, full duplex, autonegotiation, auto MDIX
Transmission Rate	10/100 Mbit/s
Port Ethernet	10/100BASE-TX
Function Available	CCOTF (configuration change on the fly) Input data is collected and published to the remote I/O head adaptor Output modules are updated with the data received from remote I/O head adaptor Diagnostics for remote I/O devices (Device DDT) I/O extension rack
Data recording	10 ms time stamps
Topology	Ring

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Local signalling	1 LED (green) for module active (RUN) 1 LED (red) for module error (ERR) 1 LED (green/red) for module status (Mod Status) 1 LED (green/red) for network communication status (Net Status) 1 LED (green) for Ethernet link diagnostics (STS)
Current Consumption	1200 mA
Input voltage	3.3 V DC
Product compatibility	0…128 discrete channel 0…16 analog channel
Module format	Standard
Net Weight	0.496 lb(US) (0.225 kg)
Maximum altitude transport	9842.5 ft (3000 m)
Relative Humidity	95 % without condensation
Fixing Mode	By screws
Mounting Mode	Rack-mounted
Width	1.3 in (32 mm)
Height	3.9 in (100 mm)
Depth	3.4 in (87.5 mm)

Environment

Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product certifications	CE UL CSA RCM EAC Merchant Navy
Standards	IEC 61131-2 IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 IEC 61000-6-5, interface type 1 and type 2 IEC 61850-3, location G
Environmental characteristic	Standard environment
IP Degree of Protection	IP20
Ambient Air Temperature for Operation	32…140 °F (0…60 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Operating altitude	<= 6561.68 ft (2000 m)

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3595864132457
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE

Nbr. of units in pkg.	1
Package 1 Height	2.283 in (5.800 cm)
Package 1 Width	4.409 in (11.200 cm)
Package 1 Length	4.803 in (12.200 cm)
Package weight(Lbs)	8.078 oz (229.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.389 lb(US) (3.805 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

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	**193 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**16 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.1 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**177 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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 www.P65Warnings.ca.gov**

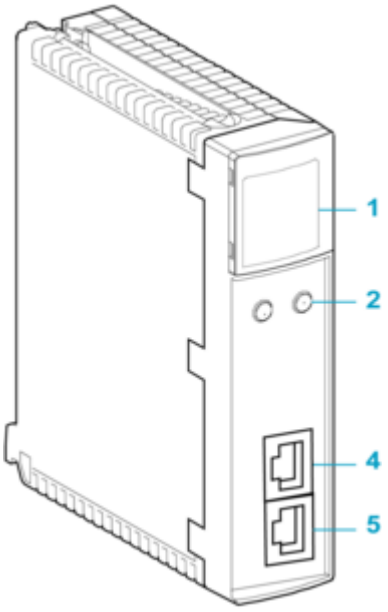
Use Again

Repack and remanufacture

Recyclability potential, in %	**32**
Circularity Profile	**End of Life Information**
Take-back	**No**

Presentation

Presentation

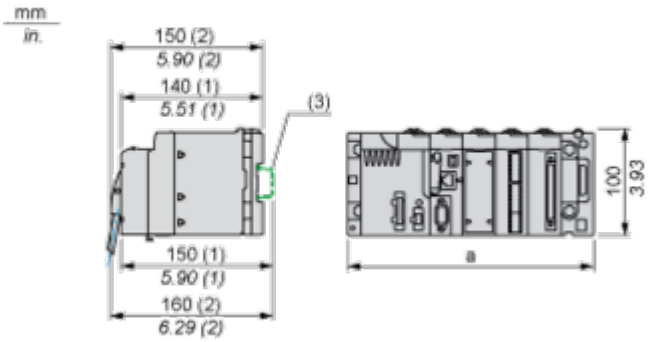


1 : LED display
2 : rotary switches
4 : DEVICE NETWORK port (ETH 2)
5 : DEVICE NETWORK port (ETH 3)

Dimensions Drawings

Modules Mounted on Racks

Dimensions



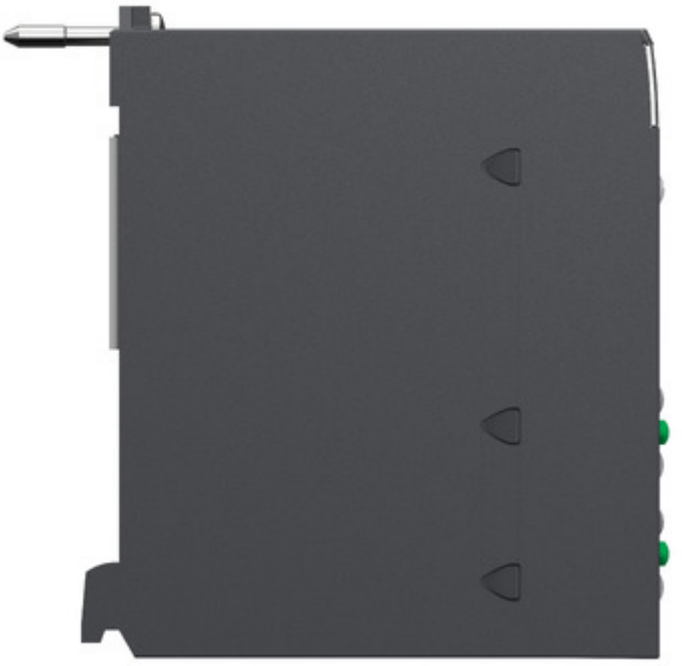
(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

Image of product / Alternate images

Alternative






SN:XXXXXXXXXXX
PV:XX SV:XX RL:XX


CRA31200
RUN
MS
IO
NS
MAC Address: XX-XX-XX-XX-XX-XX
Clear IP
Stored
Tens
Device name
Ones
ETH2
ETH3
DEVICE NETWORK
DUAL PORT
ETHERNET 10/100



