

Product data sheet

Specifications



remote IO drop E/IP, Modicon X80,
performance, service port, advanced
features, coated

BMXCRA31210C

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Range Compatibility	Modicon M580 Modicon Quantum
Product or Component Type	Ethernet I/O head 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	3
Integrated connection type	1 port service or distributed equipment 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	Enable/disable communication ports Syslog protocol support
Connector Type	3 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) Port mirroring System time stamping Non-interfering type 1 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...1024 discrete channel 0...256 analog channel counter module time-stamping module SSI encoder interface module motion control module frequency input module AS-Interface module serial link module fiber converter modules
Module format	Standard
Product 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

Protective treatment	Conformal coating
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEX zone 2/22 Hazardous location class 1, division 2
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 IEC 60079-0 UL 121201 CSA C22.2 No 213
Environmental characteristic	Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3
IP Degree of Protection	IP20

Ambient Air Temperature for Operation	-13...140 °F (-25...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	3595864132808
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	4.331 in (11.000 cm)
Package 1 Length	4.567 in (11.600 cm)
Package weight(Lbs)	9.524 oz (270.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	14
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	9.087 lb(US) (4.122 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	196 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	18 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 Longer



Lifetime extension

Repair	No
--------	----

Use Again

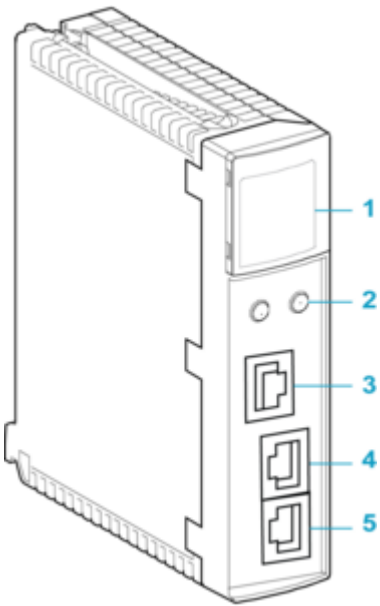


Repack and remanufacture

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

Presentation

Presentation

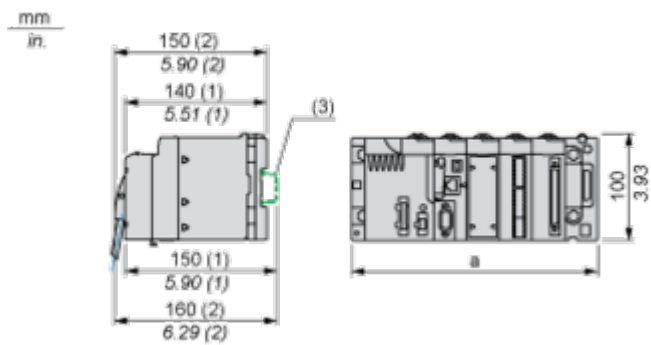


- 1 : LED display
- 2 : rotary switches
- 3 : SERVICE port (ETH 1)
- 4 : DEVICE NETWORK port (ETH 2)
- 5 : DEVICE NETWORK port (ETH 3)

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

