Product datasheet

Specifications

Modicon X80 RIO Drop E/IP Performance - Service port - Advanced features

BMXCRA31210

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	3
Integrated Connection Type	1 port for service or distributed equipment 2 port for 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.

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
Net Weight	0.225 kg
Maximum Altitude Transport	3000 m
Relative Humidity	95 % without condensation
Fixing Mode	By screws
Mounting Mode	Rack-mounted
Width	32 mm
Height	100 mm
Depth	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	EN/IEC 61131-2
	EN/IEC 61010-2-201
	UL 61010-2-201
	CSA C22.2 No 61010-2-201
	IACS E10
	EN/IEC 61000-6-5, interface type 1 and type 2
	EN/IEC 61850-3, location G
Environmental Characteristic	Standard environment
Ip Degree Of Protection	IP20
Ambient Air Temperature For Operation	0…60 °C
Ambient Air Temperature For Storage	-40…85 °C
Operating Altitude	<= 2000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.500 cm

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Package 1 Width	11.000 cm
Package 1 Length	11.800 cm
Package 1 Weight	261.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.265 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.
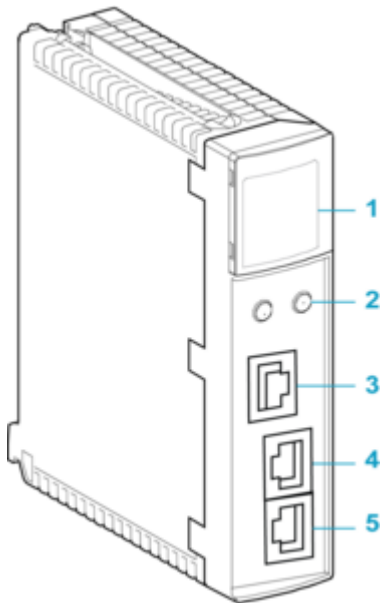
Learn more about Green Premium 〉

Guide to assess a product's sustainability 〉

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

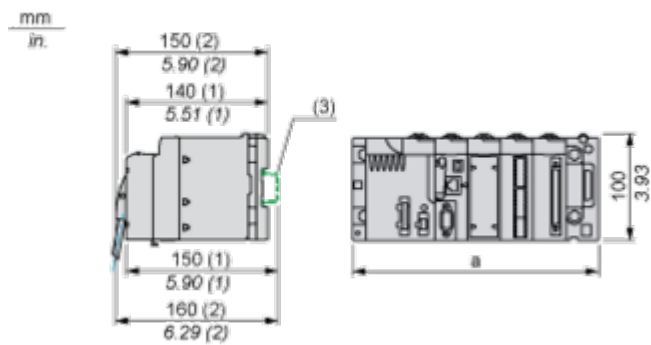|	
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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

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(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