

Product data sheet

Specifications



EIO drop adapter, Modicon X80, with Ethernet backplane

BMECRA31210

Main

Range Of Product	Modicon X80
Range Compatibility	Modicon M580
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 Ethernet 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

Local Signalling	Module active (RUN) 1 LED green) Module error (ERR) 1 LED red) Module status (Mod Status) 1 LED green/red) Network communication status (Net Status) 1 LED green/red) Ethernet link diagnostics (STS) 1 LED green)
Current Consumption	1800 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 HART module weighing module CANopen master module (standalone CPU only) PROFIBUS module (standalone CPU only) Ethernet switch module
Module Format	Standard
Net Weight	0.50 lb(US) (0.225 kg)
Maximum Altitude Transport	9842.52 ft (3000 m)
Relative Humidity	95 % without condensation
Fixing Mode	By screws
Mounting Mode	Rack-mounted
Width	1.26 in (32 mm)
Height	3.94 in (100 mm)
Depth	3.44 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	<= 2000 m

Packing Units

Unit Type Of Package 1	PCE
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Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.41 in (11.200 cm)
Package 1 Length	4.72 in (12.000 cm)
Package 1 Weight	9.24 oz (262.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	9.36 lb(US) (4.246 kg)

Sustainability

Green Premium™ 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-CO₂ 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 >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation [China RoHS declaration](#)

Environmental Disclosure [Product Environmental Profile](#)

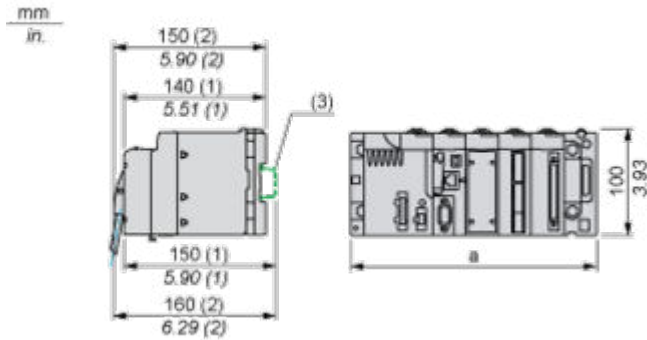
Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

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 BMEXBP0400/0400H/0800/0800H/1200/1200H rack.

	a (in mm)	a (in in.)
BMEXBP0400 and BMEXBP0400H	242.4	09.54
BMEXBP0800 and BMEXBP0800H	372.8	14.68
BMEXBP1200 and BMEXBP1200H	503.2	19.81