



# Modicon X80 EIO Drop adapter with Ethernet backplane - coated

BMECRA31210C

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

Rus type	Bus X across the remote backplane	
Bus type	Ethernet 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 FTP client FDR client NTP client SNTP client SNTP client	
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

Current consumption Input voltage Product compatibility	Ring  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)  1800 mA  3.3 V DC  01024 discrete channel 0256 analog channel counter module time-stamping module SSI encoder interface module motion control module frequency input module
Current consumption Input voltage Product compatibility	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)  1800 mA 3.3 V DC 01024 discrete channel 0256 analog channel counter module time-stamping module SSI encoder interface module motion control module
Input voltage  Product compatibility	3.3 V DC  01024 discrete channel 0256 analog channel counter module time-stamping module SSI encoder interface module motion control module
Product compatibility	01024 discrete channel 0256 analog channel counter module time-stamping module SSI encoder interface module motion control module
· · · · · · · · · · · · · · · · · · ·	0256 analog channel counter module time-stamping module SSI encoder interface module motion control module
	AS-Interface module Serial Line 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	0.225 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	
Protective treatment	Conformal coating
2	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
 	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22 Hazardous location class 1, division 2
	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 EN/IEC 60079-0 UL 121201 CSA C22.2 No 213
 	Gas resistant class Gx conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3
IP degree of protection	IP20

Ambient air temperature for operation	060 °C
Ambient air temperature for storage	-4085 °C
Operating altitude	<= 2000 m
Packing Units	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	270.0 g
Package 1 Height	5.5 cm
Package 1 width	11.0 cm
Package 1 Length	11.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	4.362 kg
Package 2 Height	15.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

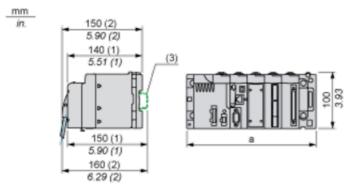
### **Product data sheet**

## BMECRA31210C

**Dimensions Drawings** 

### **Modules Mounted on Racks**

#### **Dimensions**



- (1) with removable terminal block (cage, screw or spring)
- (2) with FCN connector
- $\textbf{(3)} \ \text{on AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMEXBP0400/0400H/0800/0800H/1200/1200H rack.}$

	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