



EIO drop adapter, Modicon X80, 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

Complementary	
Bus type	Bus X across the remote backplane 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 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 ${\rm I/O}$ head adaptor

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

Port mirroring

System time stamping Non-interfering type 1 I/O extension rack

Diagnostics for remote I/O devices (Device DDT)

Data recording	10 ms time stamps		
Topology	Ring		
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	1800 mA		
Input voltage	3.3 V DC		
Product compatibility	01024 discrete channel 0256 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	0.225 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		
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	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		

IP20

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

Environmental characteristic

IP degree of protection

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 Height	5.500 cm
Package 1 Width	11.000 cm
Package 1 Length	12.000 cm
Package 1 Weight	272.000 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	4.398 kg
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
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
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

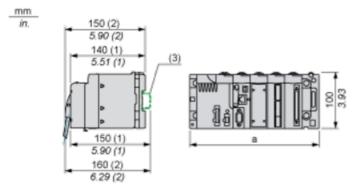
Product data sheet

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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

Recommended replacement(s)