



EIO drop adapter, Modicon X80, with Ethernet backplane

BMECRA31210

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

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 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

To a classic	Direct		
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			
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	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	11.200 cm
Package 1 Length	12.000 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	4.246 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

The product must be disposed on European Union markets following specific waste collection and

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

RoHS exemption information

Environmental Disclosure

California proposition 65

Circularity Profile

WEEE

Yes

Product Environmental Profile

never end up in rubbish bins

End of Life Information

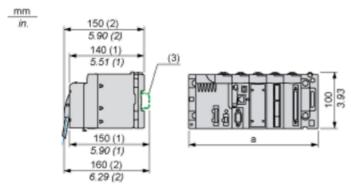
Product data sheet

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Dimensions Drawings

Modules Mounted on Racks

Dimensions



- (1) with removable terminal block (cage, screw or spring)
- (2) with FCN connector
- (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

Recommended replacement(s)