Product data sheet
Characteristics

BMECRA31210
Modicon X80 EIO Drop adapter with Ethernet backplane

Green Premium™ Product

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 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
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

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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 Line module Fiber converter modules HART module Weighing module CANopen master module (standalone CPU only) PROFIBUS module (standalone CPU only) Ethernet swich 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	0…60 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	<= 2000 m

Packing Units

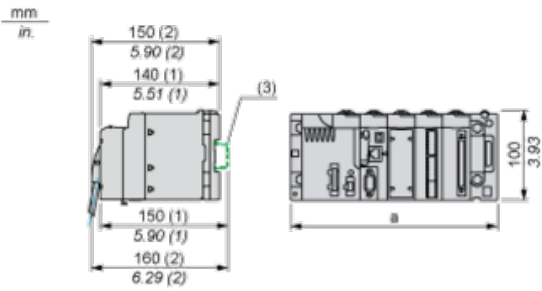|	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	265.0 g
Package 1 Height	5.3 cm
Package 1 width	11.0 cm
Package 1 Length	11.6 cm
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Weight	4.22 kg
Package 2 Height	15.0 cm
Package 2 width	30.0 cm
Package 2 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

Contractual warranty

Warranty	18 months

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

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