

Modicon X80 EIO Drop adapter with Ethernet backplane - coated

Local distributor code:

402706782 BMECRA31210C

EAN Code: 3595864174020

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 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 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	
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	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 IEC 60079-0 UL 121201 CSA C22.2 No 213

Environmental characteristic	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	-40…85 °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	11.800 cm
Package 1 Weight	269.000 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

Logistical informations

Country of origin

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	284
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

Use Again

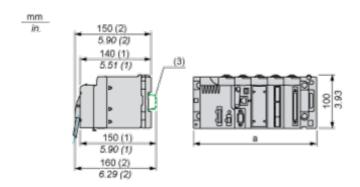
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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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