

# Product datasheet

Specifications



## Modicon X80 EIO Drop adapter with Ethernet backplane

Local distributor code:

400939328

BMECRA31210

**EAN Code: 3595864174013**

### 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

<b>Local signalling</b>	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)
<b>Current consumption</b>	1800 mA
<b>Input voltage</b>	3.3 V DC
<b>Product compatibility</b>	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 link module fiber converter modules HART module weighing module CANopen master module (standalone CPU only) PROFIBUS module (standalone CPU only) Ethernet switch module
<b>Module format</b>	Standard
<b>Net weight</b>	0.225 kg
<b>Maximum altitude transport</b>	3000 m
<b>Relative humidity</b>	95 % without condensation
<b>fixing mode</b>	By screws
<b>Mounting mode</b>	Rack-mounted
<b>Width</b>	32 mm
<b>Height</b>	100 mm
<b>Depth</b>	87.5 mm

## Environment

<b>Directives</b>	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
<b>Product certifications</b>	CE UL CSA RCM EAC Merchant Navy
<b>Standards</b>	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
<b>Environmental characteristic</b>	Standard environment
<b>IP degree of protection</b>	IP20
<b>Ambient air temperature for operation</b>	0...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C
<b>Operating altitude</b>	<= 2000 m

## Packing Units

<b>Unit Type of Package 1</b>	PCE
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<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	5.500 cm
<b>Package 1 Width</b>	11.200 cm
<b>Package 1 Length</b>	12.000 cm
<b>Package 1 Weight</b>	259.000 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	15
<b>Package 2 Height</b>	15.000 cm
<b>Package 2 Width</b>	30.000 cm
<b>Package 2 Length</b>	40.000 cm
<b>Package 2 Weight</b>	4.246 kg
<b>Unit Type of Package 3</b>	P06
<b>Number of Units in Package 3</b>	240
<b>Package 3 Height</b>	75.000 cm
<b>Package 3 Width</b>	60.000 cm
<b>Package 3 Length</b>	80.000 cm
<b>Package 3 Weight</b>	77.936 kg

## Logistical informations

Country of origin	FR
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## Contractual warranty

Warranty	18 months
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## Environmental Data

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

Total lifecycle Carbon footprint 283

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

End of life manual availability [End of Life Information](#)

Take-back No

Dimensions Drawings

Modules Mounted on Racks

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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

Image of product / Alternate images

Alternative

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