Product datasheet

Specifications



Modicon X80 RIO Drop E/IP Performance - Service port -Advanced features

Local distributor code: 398049715

BMXCRA31210

EAN Code: 3595864132464

Main

Range of product	Modicon X80
Range compatibility	Modicon M580 Modicon Quantum
Product or component type	I/O expansion module
Device application	X80 Ethernet RIO drop adaptor
Product specific application	For remote I/O modules

Complementary

Complementary	
Bus type	Bus X 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 SNTP client
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
Тороlоду	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)
	(3)
Current consumption	1200 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
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	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
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 Width11.000 cmPackage 1 Length11.800 cmPackage 1 Weight260.000 gUnit Type of Package 2S02Number of Units in Package 215Package 2 Height15.000 cmPackage 2 Width30.000 cmPackage 2 Length40.000 cmPackage 2 Weight4.200 kg		
Package 1 Weight260.000 gUnit Type of Package 2S02Number of Units in Package 215Package 2 Height15.000 cmPackage 2 Width30.000 cmPackage 2 Length40.000 cm	Package 1 Width	11.000 cm
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 1 Length	11.800 cm
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 1 Weight	260.000 g
Package 2 Height 15.000 cm Package 2 Width 30.000 cm Package 2 Length 40.000 cm	Unit Type of Package 2	S02
Package 2 Width 30.000 cm Package 2 Length 40.000 cm	Number of Units in Package 2	15
Package 2 Length 40.000 cm	Package 2 Height	15.000 cm
	Package 2 Width	30.000 cm
Package 2 Weight 4.200 kg	Package 2 Length	40.000 cm
	Package 2 Weight	4.200 kg

Logistical informations

Country of origin

FR

Contractual warranty

Warranty

18 months

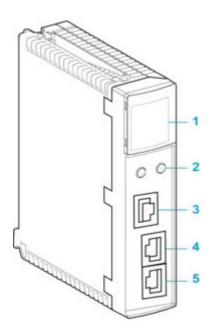
Environmental Data

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 \geq	
Provision Provisio Provisi Provisio Provisio Provisio Provisio Provisio Provisio P	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	195
Environmental Disclosure	Product Environmental Profile
Use Better	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
Use Again	
$^{\circlearrowright}$ Repack and remanufacture	
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
Take-back	No

Presentation

Presentation

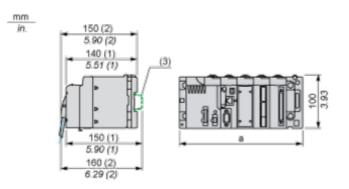


- 1: LED display
- 2 : rotary switches 3 : SERVICE port (ETH 1)
- 4 : DEVICE NETWORK port (ETH 2)
- 5 : DEVICE NETWORK port (ETH 3)

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 BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81