

Product data sheet

Characteristics

BMXCRA31210C

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



Product availability: Non-Stock - Not normally stocked in distribution facility



Main

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|------------------------------|---------------------------------|
| Range of Product | Modicon X80 |
| Range Compatibility | Modicon M580 Modicon Quantum |
| Product or Component Type | Ethernet I/O head module |
| Device Application | X80 Ethernet RIO drop adaptor |
| Product Specific Application | For remote I/O modules |

Complementary

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|-----------------------------|---|
| Bus type | Bus X across the remote backplane |
| Number of port | 3 |
| Integrated connection type | 1 port service or distributed equipment 2 port 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 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 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

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| 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 | For module active (RUN) 1 LED (green) For module error (ERR) 1 LED (red) For module status (Mod Status) 1 LED (green/red) For network communication status (Net Status) 1 LED (green/red) for Ethernet link diagnostics (STS) 1 LED (green) |
| Current Consumption | 1200 mA |
| 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 |
| Module format | Standard |
| Net Weight | 0.50 Lb(US) (0.225 kg) |
| Maximum altitude transport | 9842.52 Ft (3000 m) |
| Relative Humidity | 95 % without condensation |
| Fixing Mode | By screws |
| Mounting Mode | Rack-mounted |
| Width | 1.26 In (32 mm) |
| Height | 3.94 In (100 mm) |
| Depth | 3.44 In (87.5 mm) |

Environment

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|---------------------------------------|---|
| 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 | 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 EN/IEC 61850-3 EN/IEC 60079-0 UL 121201 CSA C22.2 No 213 |
| Environmental characteristic | Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3 |
| IP Degree of Protection | IP20 |
| Ambient air temperature for operation | -13...140 °F (-25...60 °C) |
| Ambient Air Temperature for Storage | -40...185 °F (-40...85 °C) |
| Operating altitude | <= 6561.68 ft (2000 m) |

Ordering and shipping details

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|-----------------------|----------------------|
| Category | 18160 - MODICON M340 |
| Discount Schedule | PC34 |
| GTIN | 3595864132808 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 9.77 Oz (277 g) |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------------|----------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 2.17 In (5.5 cm) |
| Package 1 width | 4.33 In (11 cm) |
| Package 1 Length | 4.92 In (12.5 cm) |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 15 |
| Package 2 Weight | 9.48 Lb(US) (4.3 kg) |
| Package 2 Height | 5.91 In (15 cm) |
| Package 2 width | 11.81 In (30 cm) |
| Package 2 Length | 15.75 In (40 cm) |

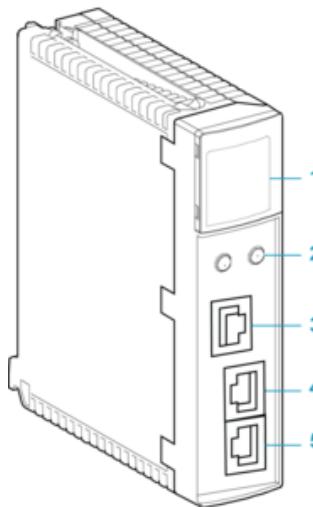
Offer Sustainability

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| Sustainable offer status | Green Premium product |
| California proposition 65 | 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 |
| 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

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| Warranty | 18 months |
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Presentation



1 : LED display

2 : rotary switches

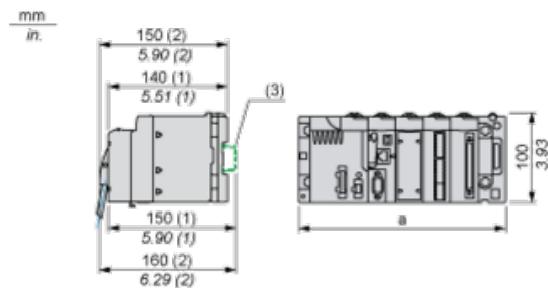
3 : SERVICE port (ETH 1)

4 : DEVICE NETWORK port (ETH 2)

5 : DEVICE NETWORK port (ETH 3)

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 | 9.54 |
| BMXXBP0600 and BMXXBP0600H | 307.6 | 12.11 |
| BMXXBP0800 and BMXXBP0800H | 372.8 | 14.68 |
| BMXXBP1200 and BMXXBP1200H | 503.2 | 19.81 |

Product Life Status : **Commercialised**