



### Main

|                              |                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product             | Modicon X80                                                                                                                                                |
| Product or component type    | Ethernet/Serial RTU module                                                                                                                                 |
| Product specific application | For standard & severe environments                                                                                                                         |
| Concept                      | Transparent Ready                                                                                                                                          |
| Integrated connection type   | Serial RS232/485 RJ45 300/38400 bit/s 1 twisted pair transparent ready class C30<br>Ethernet RJ45 10/100 Mbit/s 1 twisted pair transparent ready class C30 |
| Protective treatment         | Conformal coating Humiseal 1A33 TC                                                                                                                         |
| Environmental characteristic | 3C4 conforming to EN/IEC 60721-3-3<br>3C3 conforming to EN/IEC 60721-3-3                                                                                   |

### Complementary

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Communication service | Transparent events routing from remote slaves to SCADA<br>Multi-protocols support in a single module (master and slave)<br>Automatic events backup on power loss<br>SMTP server, FTP client/server, NTP client, SNMP agent, BootP, DHCP, FDR client<br>Web server, rack viewer, data editor<br>Email/SMS notifications<br>Data logging in CSV files<br>External modem management (serial, PSTN, GSM, GPRS/3G)<br>Time stamped events management<br>IEC 60870-5 -101/-104 protocol<br>DNP3/DNP3 IP protocol<br>Modbus TCP messaging<br>Bandwidth management |
| Port Ethernet         | 10BASE-T/100BASE-TX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Memory description    | Supplied Flash SD memory card (BMXRWS128MWF) 128000 kB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Memory usage          | Data logging CSV files storage<br>User web pages storage<br>Activating the standard web server                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Supply                | Internal power supply via rack                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Local signalling      | 1 LED green data rate (ETH LINK)<br>1 LED yellow serial communication (SER COM)<br>1 LED red download in progress (DL)<br>1 LED red processor or system fault (ERR)<br>1 LED red memory card fault (CARD ERR)<br>1 LED green status of Ethernet network (ETH STS)<br>1 LED green processor running (RUN)<br>1 LED green activity on Ethernet network (ETH ACT)                                                                                                                                                                                             |
| Current consumption   | 95 mA at 24 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Module format         | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product weight        | 0.2 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

### Environment

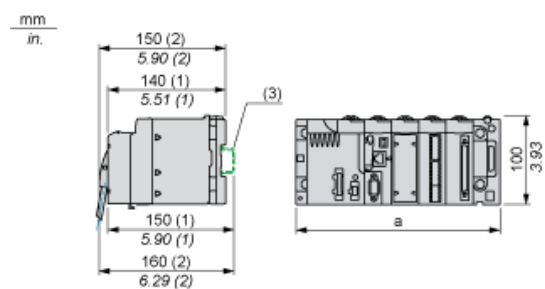
|                                       |                                                                           |
|---------------------------------------|---------------------------------------------------------------------------|
| Ambient air temperature for operation | -25...70 °C                                                               |
| Relative humidity                     | 10...95 % without condensation                                            |
| IP degree of protection               | IP20                                                                      |
| Marking                               | CE                                                                        |
| Product certifications                | UL 508                                                                    |
| Standards                             | CSA C22.2 No 142<br>EN/IEC 61131-2<br>CSA C22.2 No 213 Class I Division 2 |

## Offer Sustainability

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status      | Not Green Premium product                                                             |
| RoHS (date code: YYWW)        | Compliant - since 1202 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                         | Reference not containing SVHC above the threshold                                     |
| Product environmental profile | Available <a href="#">Download Product Environmental</a>                              |

## 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    |