



### Main

|                           |                      |
|---------------------------|----------------------|
| Range of product          | Modicon X80          |
| Product or component type | Analog output module |
| Electrical connection     | 1 connector 20 ways  |
| Input output isolation    | Isolated             |

### Complementary

|                              |  |
|------------------------------|--|
| Measurement error            | $\leq 0.25\%$ of full scale 0...60 °C<br>0.1 % of full scale 25 °C                                       |
| Temperature drift            | 45 ppm/°C +/- 10 V<br>45 ppm/°C 0...20 mA<br>45 ppm/°C 4...20 mA   |
| Common mode between channels | $\geq 80$ dB   |
| Isolation voltage            | 1400 V DC between channels and ground<br>1400 V DC between channels and bus<br>750 V DC between channels |
| Detection type               | Open circuit 0...20 mA<br>Open circuit 4...20 mA<br>Short circuit +/- 10 V                               |
| Load impedance ohmic         | $\geq 1000$ Ohm +/- 10 V<br>$\leq 500$ Ohm 0...20 mA<br>$\leq 500$ Ohm 4...20 mA                         |
| Output level                 | High level   |
| Analogue output number       | 4  |
| Analogue output type         | Current 0...20 mA<br>Current 4...20 mA<br>Voltage +/- 10 V   |
| Analogue output resolution   | 15 bits + sign   |
| Supply                       | Internal power supply via rack   |
| Conversion time              | $\leq 1$ ms  |
| Maximum conversion value     | +/- 11.4 V +/- 10 V<br>0...21 mA 0...20 mA<br>0...21 mA 4...20 mA  |
| Fallback mode                | Configurable<br>Predefined   |
| Status LED                   | 1 LED green RUN<br>1 LED per channel green channel diagnostic<br>1 LED red ERR<br>1 LED red I/O          |
| Product weight               | 0.15 kg  |
| Current consumption          | 150 mA at 3.3 V DC<br>84 mA at 24 V DC   |

### Environment

|                                       |             |
|---------------------------------------|-------------|
| vibration resistance                  | 3 gn        |
| shock resistance                      | 30 gn       |
| ambient air temperature for storage   | -40...85 °C |
| ambient air temperature for operation | 0...60 °C   |

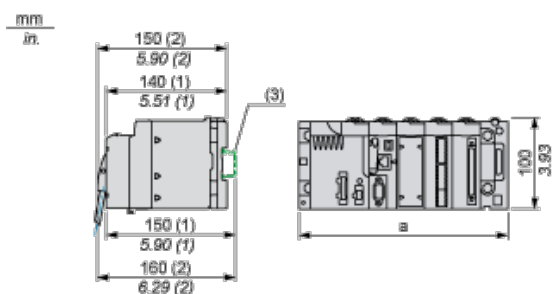
|                         |  |
|-------------------------|--|
| relative humidity       | 5...95 % 55 °C without condensation  |
| IP degree of protection | IP20   |
| product certifications  | CE<br>CSA<br>UL<br>RCM<br>Merchant Navy<br>EAC                                     |
| standards               | EN/IEC 61131-2<br>EN/IEC 61010-2-201<br>UL 61010-2-201<br>CSA C22.2 No 61010-2-201 |
| protective treatment    | TC   |
| operating altitude      | 0...2000 m<br>2000...5000 m (with derating factor)                                 |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 0901 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

## Modules Mounted on Racks

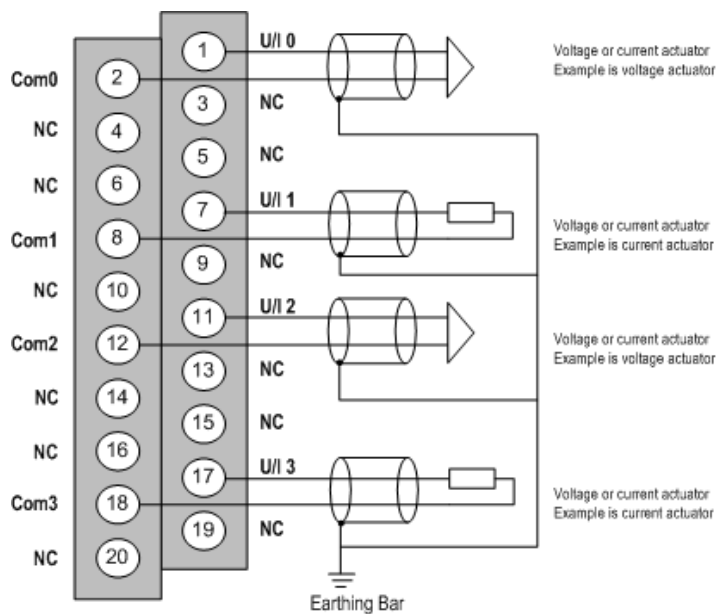
### Dimensions



- (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    |

## Wiring Diagram



U/Ix + pole input for channel x

COMx- pole input for channel x

Channel Voltage actuator

0

Channel Current actuator

1

The current loop is self-powered by the output and does not request any external supply.