**BMXAMO0410**
isolated analog output module X80 - 4 outputs

**Main**
- **Range of product**: Modicon X80
- **Product or component type**: Analog output module
- **Electrical connection**: 1 connector 20 ways
- **Isolation between channels**: Isolated

**Complementary**
- **Measurement error**
  - <= 0.25 % of full scale 0...60 °C
  - 0.1 % of full scale 25 °C
- **Temperature drift**
  - 45 ppm/°C +/- 10 V
  - 45 ppm/°C 0...20 mA
  - 45 ppm/°C 4...20 mA
- **Common mode between channels**: >= 80 dB
- **Isolation voltage**
  - 1400 V DC between channels and ground
  - 1400 V DC between channels and bus
  - 750 V DC between channels
- **Detection type**
  - Open circuit 0...20 mA
  - Open circuit 4...20 mA
  - Short circuit +/- 10 V
- **Load impedance ohmic**
  - >= 1000 Ohm +/- 10 V
  - <= 500 Ohm 0...20 mA
  - <= 500 Ohm 4...20 mA
- **Output level**: High level
- **Analogue output number**: 4
- **Analogue output type**
  - Current 0...20 mA
  - Current 4...20 mA
  - Voltage +/- 10 V
- **Analogue output resolution**: 15 bits + sign
- **Supply**: Internal power supply via rack
- **Conversion time**: <= 1 ms
- **Maximum conversion value**
  - +/- 10.5 V +/- 10 V
  - 0...21 mA 0...20 mA
  - 0...21 mA 4...20 mA
- **Fallback mode**: Configurable

Disclaimer: 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.
## Predefined

**Status LED**
- 1 LED green RUN
- 1 LED per channel green channel diagnostic
- 1 LED red ERR
- 1 LED red I/O

**Product weight** 0.15 kg

**Power consumption in W**
- 3 W 24 V DC typical
- 3.2 W 24 V DC maximum
- 0.48 W 3.3 V DC typical
- 0.61 W 3.3 V DC maximum

## 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

**Directives**
- 2012/19/EU - WEEE directive
- 2014/30/EU - electromagnetic compatibility
- 2014/35/EU - low voltage directive

**Product certifications**
- CE
- CSA
- UL
- RCM
- Merchant Navy
- EAC

**Standards**
- EN 61000-6-2
- EN 61000-6-4
- EN 61131-2
- EN 61010-2-201

**Protective treatment** TC

**Operating altitude**
- 0...2000 m
- 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

## Contractual warranty

**Warranty period** 18 months
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.

<table>
<thead>
<tr>
<th>Rack references</th>
<th>a in mm</th>
<th>a in in.</th>
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<tbody>
<tr>
<td>BMXXBP0400 and BMXXBP0400H</td>
<td>242.4</td>
<td>09.54</td>
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<tr>
<td>BMXXBP0600 and BMXXBP0600H</td>
<td>307.6</td>
<td>12.11</td>
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<tr>
<td>BMXXBP0800 and BMXXBP0800H</td>
<td>372.8</td>
<td>14.68</td>
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<tr>
<td>BMXXBP1200 and BMXXBP1200H</td>
<td>503.2</td>
<td>19.81</td>
</tr>
</tbody>
</table>
Wiring Diagram

U/Ix  + pole input for channel x
COMx  - pole input for channel x
Channel 0/voltage actuator
Channel 1/Current actuator

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