# Product datasheet

Specifications

## SSI encoder interface module - 3 channels - up to 31 data bits / 1 Mbauds

Local distributor code:

398049757                                   BMXEAE0300

**EAN Code: 3595864126685**

## Main

| | |
|---|---|
| **Range of product** | Modicon X80 |
| **Product or component type** | Encoder interface module |
| **Function available** | Offset<br>Compare<br>Modulo<br>Reduction<br>Capture |
| **Number of channels** | 3 SSI channel |
| **Number of outputs** | 1 24 V DC reflex digital output for each SSI channel |
| **Number of inputs** | 2 24 V DC capture digital inputs for the 3 SSI channels |

## Complementary

| | |
|---|---|
| **Data format** | 8...31 bits |
| **Transmission rate** | 500 kbauds<br>200 kbauds<br>1 Mbauds<br>100 kbauds |
| **Refresh time** | 1 ms |
| **Input compatibility** | 24 V DC SSI absolute encoder (voltage limits: 19.2…30 V) for 200 mA per channel |
| **Dielectric strength** | 1400 V DC 60 s |
| **[Us] rated supply voltage** | 19.2...30 V DC, <30 mA<br>24 V DC, <30 mA (typical) |
| **Protection type** | Overvoltage protection DC |
| **Current consumption** | 150 mA at 3.3 V DC for back plane, (typical)<br>250 mA at 3.3 V DC for back plane, (maximum) |
| **Net weight** | 0.138 kg |

## Environment

| | |
|---|---|
| **Ambient air temperature for operation** | 0…60 °C |
| **Operating altitude** | 0...4000 m |
| **IP degree of protection** | IP20 |
| **Directives** | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility |
| **Product certifications** | CE<br>RCM<br>CSA<br>EAC<br>Merchant Navy<br>UL |

| Standards | EN/IEC 61010-2-201 |
|---|---|
| | EN/IEC 61131-2 |
| | UL 61010-2-201 |
| | CSA C22.2 No 61010-2-201 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.500 cm |
| Package 1 Width | 11.000 cm |
| Package 1 Length | 11.500 cm |
| Package 1 Weight | 167.000 g |
| 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 2 Weight | 2.800 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 ›

### Environmental footprint

| | |
|---|---|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | **48** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

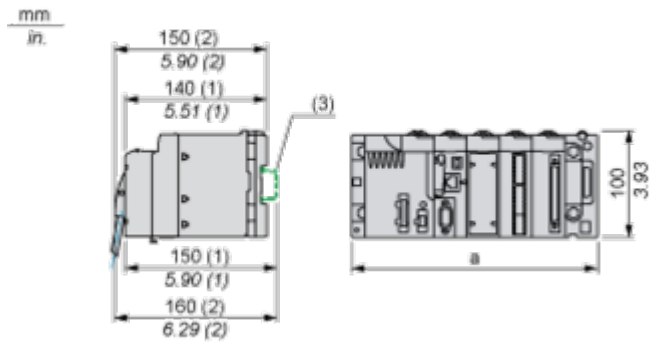| | |
|---|---|
| **EU RoHS Directive** | **Pro-active compliance (Product out of EU RoHS legal scope)** |
| REACh Regulation | **REACh Declaration** |
| China RoHS Regulation | **China RoHS declaration** |

## Use Again

### 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** |

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 |

Life Is On | Schneider Electric

## Connections and Schema

**Wiring Diagram**