# Product data sheet

Specifications



## safety discrete output module, Modicon X80, 8 outputs, 24V DC positive

BMXSDO0802

**Product availability: Stock - Normally stocked in distribution facility**

## Main

| | |
|---|---|
| **Range of Product** | Modicon X80 |
| **Product or Component Type** | Discrete output module |
| **Discrete output logic** | Positive |

## Complementary

| | |
|---|---|
| **Response time on output** | 1.2 ms |
| **Maximum voltage drop** | <1.2 V at state 1 |
| **Insulation resistance** | > 10 MOhm 500 V DC |
| **Current per channel** | 0.625 A |
| **Maximum current per module** | 10 A |
| **Paralleling of outputs** | Yes : 2 maximum |
| **Switching frequency** | 0.5/LI² Hz |
| **Load impedance ohmic** | >= 48 Ohm |
| **Reverse polarity protection** | Reverse mounted diode |
| **MTBF reliability** | 383000 H |
| **Protection type** | reverse polarity protection<br>overload protection<br>overvoltage protection<br>short-circuit protection |
| **Voltage detection threshold** | < 14 V DC sensor fault<br>> 18 V DC sensor OK |
| **Product Weight** | 0.26 lb(US) (0.12 kg) |

## Environment

| | |
|---|---|
| **IP Degree of Protection** | IP20 |
| **Protective treatment** | Conformal coating |
| **Dielectric strength** | 1500 V AC 50/60 Hz 1 minute, output/ground<br>1500 V AC 50/60 Hz 1 minute, output/internal logic |
| **Relative humidity** | 5…95 % 131 °F (55 °C) without condensation |
| **Environmental characteristic** | Gas resistant class Gx<br>Gas resistant class 3C4<br>Dust resistant class 3S4<br>Sand resistant class 3S4<br>Salt resistant level 2<br>Mold growth resistant class 3B2<br>Fungal spore resistant class 3B2 |

## Ordering and shipping details

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

| | |
|---|---|
| **Category** | US1PC3418161 |
| **Discount Schedule** | PC34 |
| **GTIN** | 3606481204929 |
| **Returnability** | Yes |
| **Country of origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 2.165 in (5.500 cm) |
| **Package 1 Width** | 7.087 in (18.000 cm) |
| **Package 1 Length** | 10.236 in (26.000 cm) |
| **Package weight(Lbs)** | 12.416 oz (352.000 g) |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 8 |
| **Package 2 Height** | 11.811 in (30.000 cm) |
| **Package 2 Width** | 11.811 in (30.000 cm) |
| **Package 2 Length** | 15.748 in (40.000 cm) |
| **Package 2 Weight** | 7.227 lb(US) (3.278 kg) |

## Contractual warranty

| | |
|---|---|
| **Warranty (in months)** | 18 |

## 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

| | |
|---|---|
| Total lifecycle Carbon footprint | **206 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **19 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0.3 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **186 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.4 kg CO2 eq.** |
| Environmental Disclosure | **Product Environmental Profile** |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **43b0fbab-d94b-43e8-be0a-0b39cadd288b** |
| EU RoHS Directive | **Compliant By Exemption** |
| REACh Regulation | **Reference contains Substances of Very High Concern above the threshold** |
| 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** |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |

## Use Again

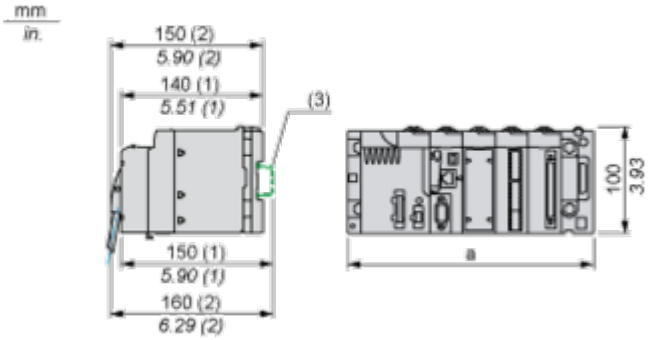
### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **0** |
| Circularity Profile | **End of Life Information** |
| 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.

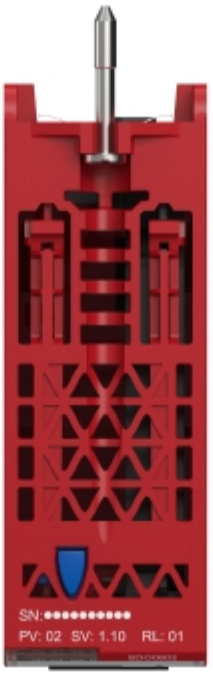
| Rack references | a in mm | a in in. |
|---|---|---|
| BMXXBP0400 and BMXXBP0400H | 242.4 | 09.54 |
| BMXXBP0600 and BMXXBP0600H | 307.6 | 12.11 |
| BMXXBP0800 and BMXXBP0800H | 372.8 | 14.68 |
| BMXXBP1200 and BMXXBP1200H | 503.2 | 19.81 |

Image of product / Alternate images

**Alternative**






SN:
PV: 02 SV: 1.10 RL: 01


Schneider Electric
Modicon
BMXSDO0802
X80 DIG 16I SIL3 24VDC SINK
DOM : XXXX
WARNING-Do not disconnect while circuit is live unless area is known to be non-hazardous.
AVERTISSEMENT-Ne pas débrancher tant que le circuit est sous tension, à moins qu'il ne s'agisse d'un emplacement non dangereux.
For product information
www.schneider-electric.com/contact



