# Product data sheet

Specifications



## discrete output module, Modicon X80, 16 NO relay outputs, 24 to 240V AC, 24 to 48V DC

BMXDRA1605

**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

| | |
|---|---|
| **Minimum switching current** | 1 mA 5 V DC |
| **Response time on output** | < 8 ms activation<br>< 10 ms deactivation |
| **Insulation resistance** | > 10 MOhm 500 V DC |
| **MTBF reliability** | 2100000 H |
| **Net Weight** | 0.33 lb(US) (0.15 kg) |

## Environment

| | |
|---|---|
| **IP Degree of Protection** | IP20 |
| **Protective treatment** | Standard version |
| **Dielectric strength** | 2000 V AC 50/60 Hz 1 min |
| **Relative humidity** | 5…95 % 131 °F (55 °C) without condensation |

## Ordering and shipping details

| | |
|---|---|
| **Category** | US1PC3418160 |
| **Discount Schedule** | PC34 |
| **GTIN** | 3595863909234 |
| **Returnability** | Yes |
| **Country of origin** | US |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Nbr. of units in pkg.** | 1 |
| **Package 1 Height** | 2.087 in (5.300 cm) |
| **Package 1 Width** | 4.331 in (11.000 cm) |
| **Package 1 Length** | 4.528 in (11.500 cm) |
| **Package weight(Lbs)** | 6.314 oz (179.000 g) |
| **Unit Type of Package 2** | S02 |

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

| | |
|---|---|
| **Number of Units in Package 2** | 15 |
| **Package 2 Height** | 5.9 in (15 cm) |
| **Package 2 Width** | 11.8 in (30 cm) |
| **Package 2 Length** | 15.7 in (40 cm) |
| **Package 2 Weight** | 6.526 lb(US) (2.960 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 | **146 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **23 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **123 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 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 | **81872da8-8895-4d37-90f4-a72768531605** |
| 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 Again

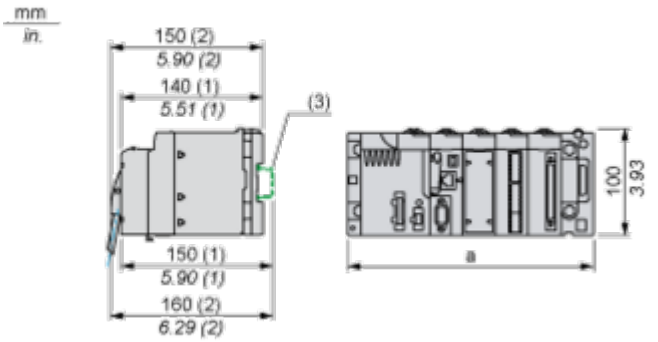
### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **3** |
| Circularity Profile | **End of Life Information** |
| Take-back | **No** |

## Dimensions Drawings

### Modules Mounted on Racks

### Dimensions



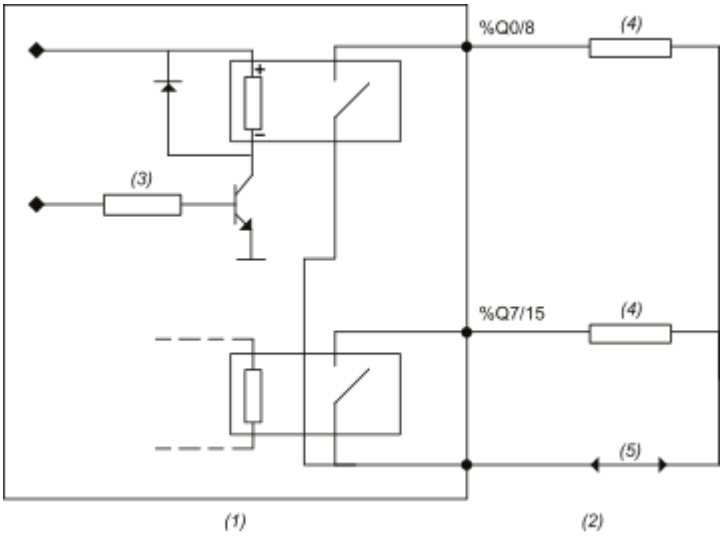

**(1)** With removable terminal block (cage, screw or spring).
**(2)** With FCN connector.
**(3)** On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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 |

Connections and Schema

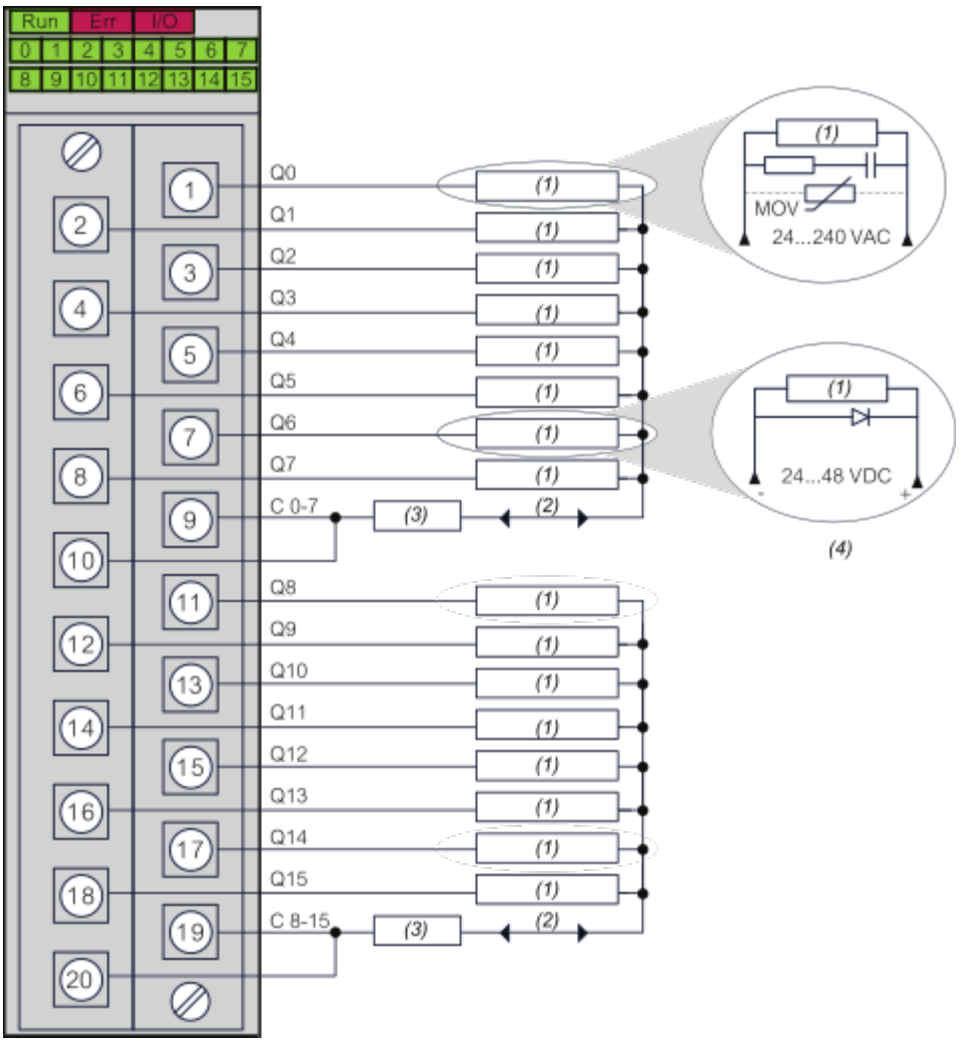
## Connecting the Module

### Output Circuit Diagram




**(1)** Module
**(2)** Output
**(3)** Command
**(4)** Pre-actuator
**(5)** Power supply

### Module Connection

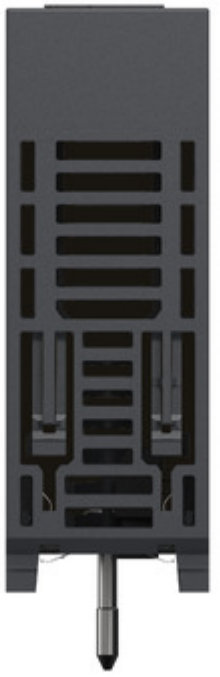



**(1)** Pre-actuator
**(2)** Power supply : 24...48 VDC or 24...240 VAC
**(3)** Fuse : 1 fast blow fuse of 12 A for each 8-channel group
**(4)** We recommend installing this type of protection on the terminals of each pre-actuator

Image of product / Alternate images

**Alternative**








Schneider
Electric
Modicon
BMXDRA1605
DIG 16Q RELAYS
DOM : XXXX




SN:XXXXXXXXXXX
PV:XX
RL:XX