

# Product datasheet

Specifications



## discrete output module X80 - 16O relay - 24VDC - 24..240VAC - severe environment

Local distributor code:  
393398759

BMXDRA1605H

EAN Code: 3595864025803

### 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                                 |
| Product weight            | 0.15 kg                                   |

### Environment

|                              |                                                                                                                                                                                                            |
|------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection      | IP20                                                                                                                                                                                                       |
| Protective treatment         | Conformal coating                                                                                                                                                                                          |
| Directives                   | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility                                                                                                                           |
| Dielectric strength          | 2000 V AC at 50/60 Hz 1 min                                                                                                                                                                                |
| Relative humidity            | 5...95 % at 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 |

### Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 5.5 cm  |
| Package 1 Width              | 11.0 cm |
| Package 1 Length             | 11.6 cm |
| Package 1 Weight             | 190.0 g |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 15      |

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

|                  |         |
|------------------|---------|
| Package 2 Height | 15.0 cm |
| Package 2 Width  | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 3.15 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## 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                       | 148 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 24 kg CO2 eq.                                 |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0.1 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                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | Yes                                                                                    |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

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

## Use Again



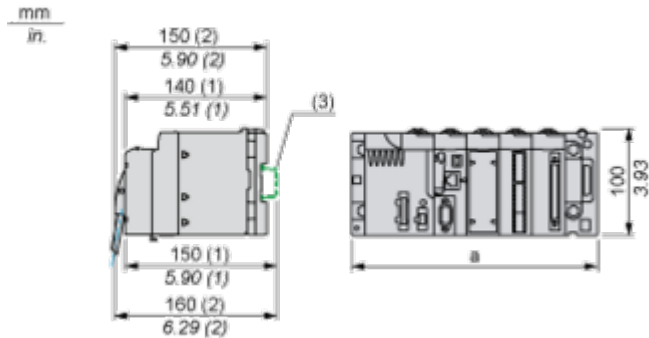
### Repack and remanufacture

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| Recyclability potential, in %   | 3                                       |
| End of life manual availability | <a href="#">End of Life Information</a> |
| Take-back                       | No                                      |

Dimensions Drawings

Modules Mounted on Racks

Dimensions



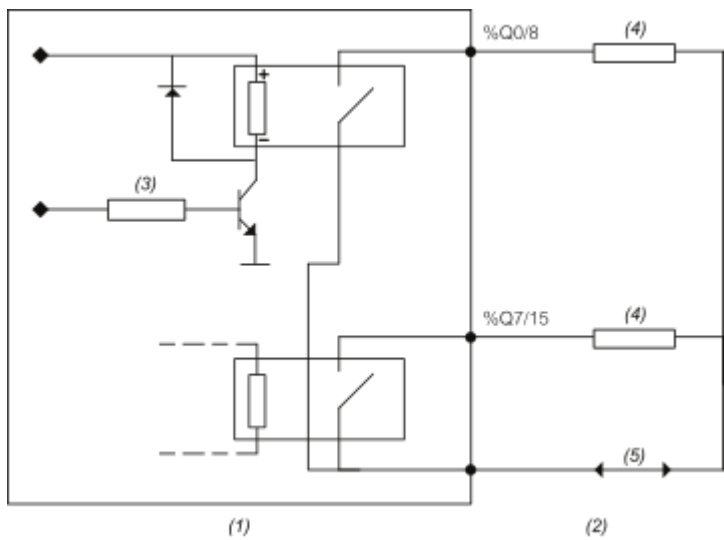
- (1) With removable terminal block (cage, screw or spring).  
(2) With FCN connector.  
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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

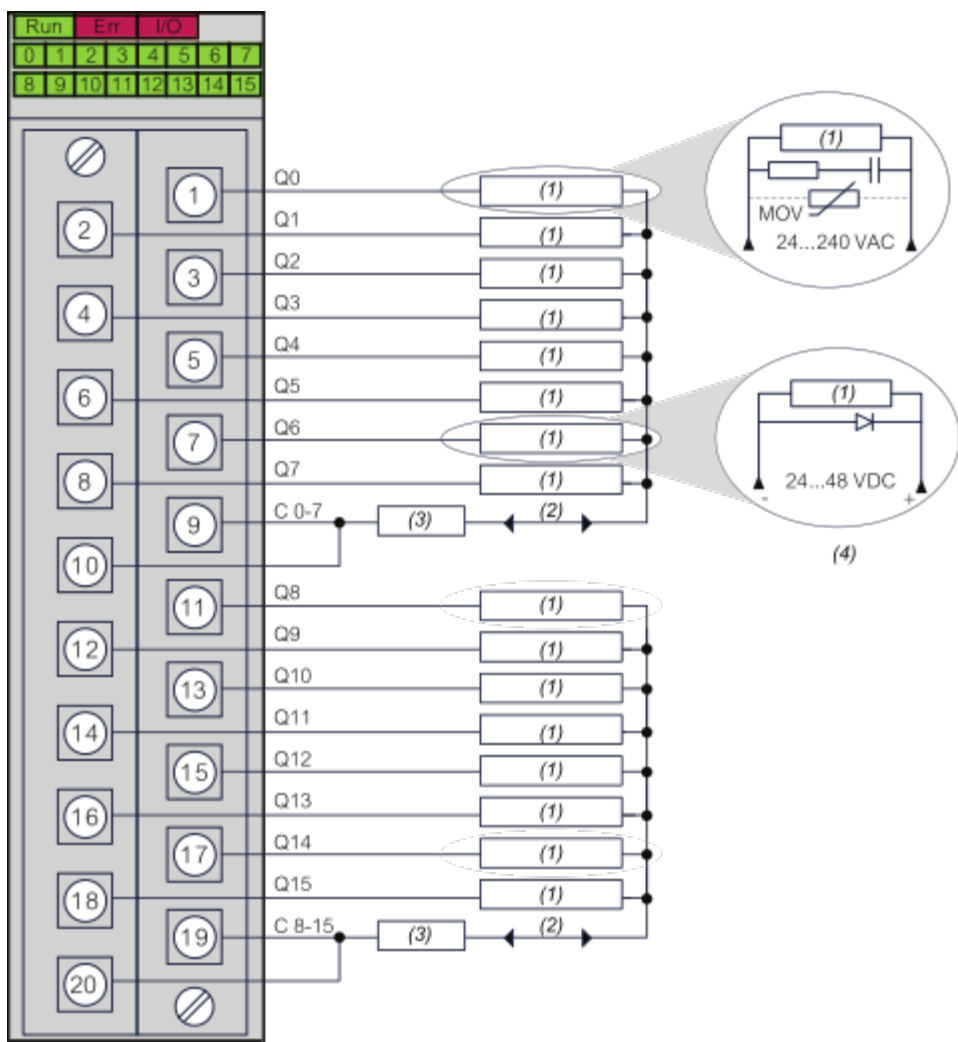
Connecting the Module

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

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