

# Product datasheet

Specifications



## discrete output module X80 - 64 outputs - 24 V DC positive

Local distributor code:

389737353

BMXDDO6402K

EAN Code: 3595863910490

### 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                                                                                                                 |
| Insulation resistance       | > 10 MOhm 500 V DC                                                                                                     |
| Current per channel         | 0.125 A                                                                                                                |
| Maximum current per module  | 6.4 A                                                                                                                  |
| Paralleling of outputs      | Yes : 3 maximum                                                                                                        |
| Switching frequency         | 0.5/LI² Hz                                                                                                             |
| Maximum overload time       | 15 ms                                                                                                                  |
| Load impedance ohmic        | >= 220 Ohm                                                                                                             |
| Reverse polarity protection | Reverse mounted diode                                                                                                  |
| MTBF reliability            | 150000 H                                                                                                               |
| Protection type             | External fuse reverse polarity protection<br>short-circuit protection<br>overload protection<br>overvoltage protection |
| Voltage detection threshold | < 14 V DC preactuator fault<br>> 18 V DC preactuator at state 0                                                        |
| Product weight              | 0.15 kg                                                                                                                |

### Environment

|                         |                                                                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| IP degree of protection | IP20                                                                                                                                                   |
| Protective treatment    | Standard version                                                                                                                                       |
| Directives              | 2014/35/EU - low voltage directive<br>2014/30/EU - electromagnetic compatibility                                                                       |
| Dielectric strength     | 1500 V AC at 50/60 Hz 1 minute, output/ground<br>1500 V AC at 50/60 Hz 1 minute, output/internal logic<br>500 V DC 1 minute, between group of channels |
| Relative humidity       | 5...95 % at 55 °C without condensation                                                                                                                 |

### Packing Units

|                              |     |
|------------------------------|-----|
| Unit Type of Package 1       | PCE |
| Number of Units in Package 1 | 1   |

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 1 Height             | 5.800 cm  |
| Package 1 Width              | 11.300 cm |
| Package 1 Length             | 11.300 cm |
| Package 1 Weight             | 180.000 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             | 3.030 kg  |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | ID |
|-------------------|----|

## 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                       | 53 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 26 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]     | 27 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.4 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                                                                                    |
| SCIP Number                            | E9e954e9-6f86-4d0f-b61c-767620a2bb40                                                   |
| 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



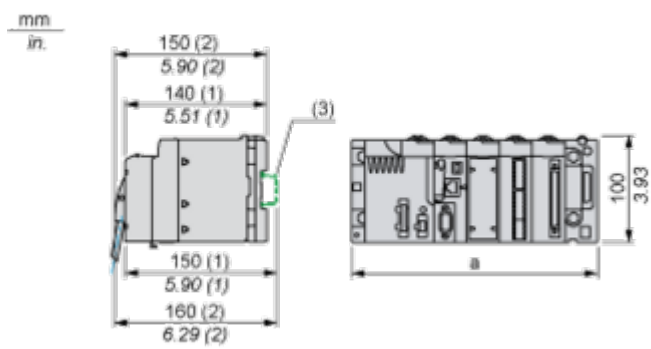
### Repack and remanufacture

|                                 |                                         |
|---------------------------------|-----------------------------------------|
| 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



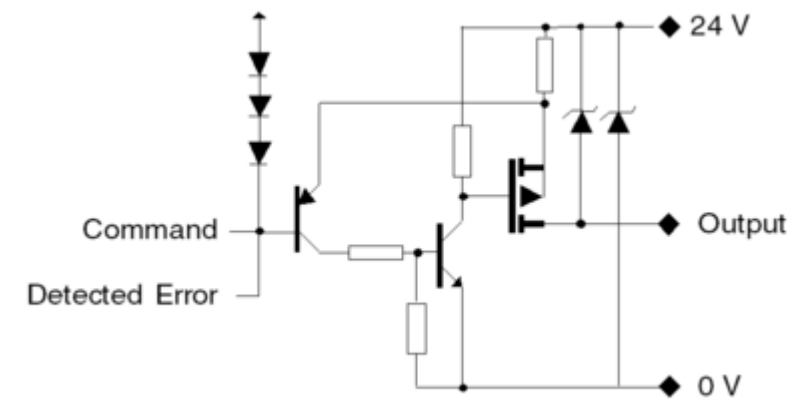
- (1) With removable terminal block (cage, screw or spring).  
(2) With FCN connector.  
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

| 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    |

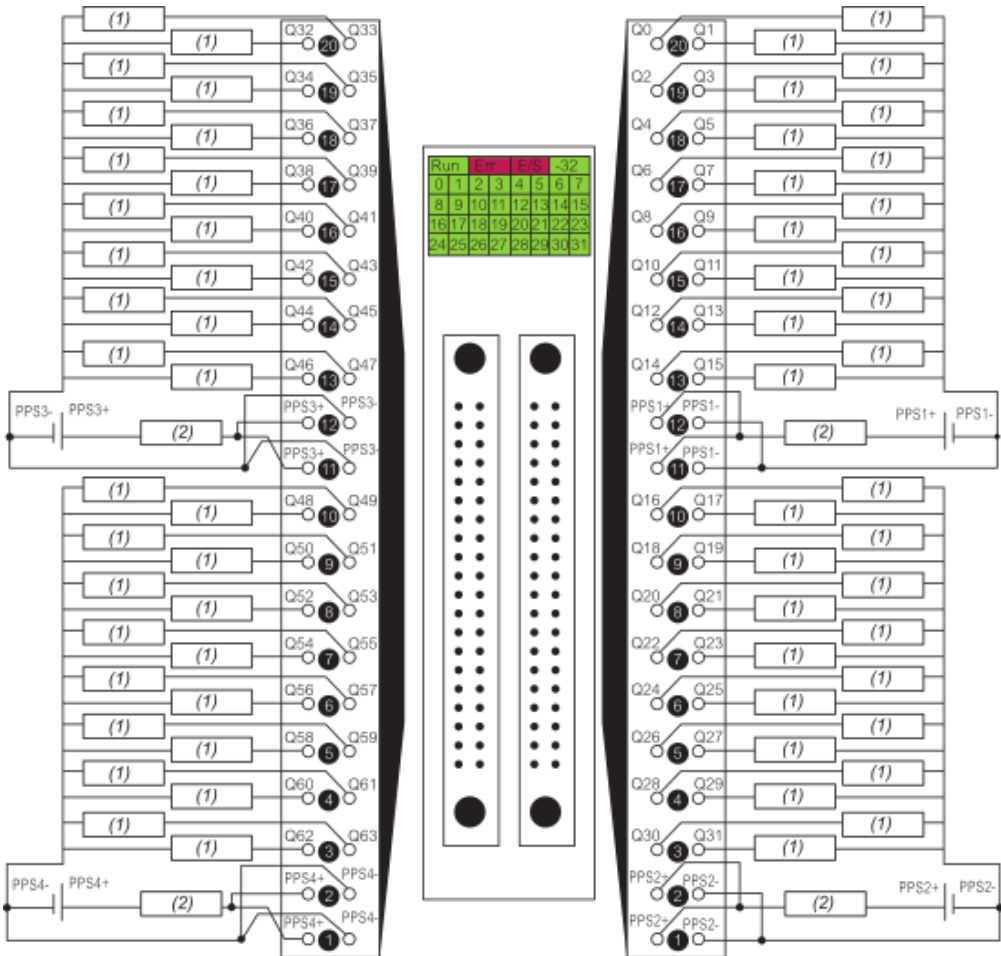
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection



- (1) pre-actuator  
(2) fuse: fast blow fuse of 2 A for each 16-channel group  
power supply 24 VDC  
PPS pre-actuator power supply



Image of product / Alternate images

Alternative

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