

# Product data sheet

Specifications



discrete output module, Modicon X80, 16 transistor outputs, 24V DC positive

BMXDDO1602

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/LI <sup>2</sup> Hz
Load impedance ohmic	> 48 Ohm
Reverse polarity protection	Reverse mounted diode
MTBF reliability	410000 H
Protection type	External fuse reverse polarity protection short-circuit protection overload protection overvoltage protection
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0
Product Weight	0.26 lb(US) (0.12 kg)

## Environment

IP Degree of Protection	IP20
Protective treatment	Standard version
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1500 V AC 50/60 Hz 1 minute, output/ground 1500 V AC 50/60 Hz 1 minute, output/internal logic
Relative humidity	5...95 % 131 °F (55 °C) without condensation

## Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34

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

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GTIN	3595863910469
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Returnability	Yes
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## Packing Units

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Unit Type of Package 1	PCE
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Nbr. of units in pkg.	1
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Package 1 Height	2.205 in (5.600 cm)
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Package 1 Width	4.331 in (11.000 cm)
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Package 1 Length	4.724 in (12.000 cm)
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Package weight(Lbs)	5.115 oz (145.000 g)
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Unit Type of Package 2	S02
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Number of Units in Package 2	15
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Package 2 Height	5.906 in (15.000 cm)
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Package 2 Width	11.811 in (30.000 cm)
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Package 2 Length	15.748 in (40.000 cm)
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Package 2 Weight	5.547 lb(US) (2.516 kg)
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Unit Type of Package 3	P06
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Number of Units in Package 3	240
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Package 3 Height	29.528 in (75.000 cm)
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Package 3 Width	23.622 in (60.000 cm)
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Package 3 Length	31.496 in (80.000 cm)
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Package 3 Weight	88.767 lb(US) (40.264 kg)
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## Contractual warranty

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Warranty (in months)	18
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## 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	34 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	20 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]	13 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
SCIP Number	3a3aa81b-b333-475d-bdd7-d59b366b09eb
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

### Use Longer



### Lifetime extension

Repair	No
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### Use Again



### Repack and remanufacture

Recyclability potential, in %	3
Circularity Profile	<a href="#">End of Life Information</a>
Take-back	No

Dimensions Drawings

Modules Mounted on Racks

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Dimensions



(1) With removable terminal block (cage, screw or spring).

(2) With FCN connector.

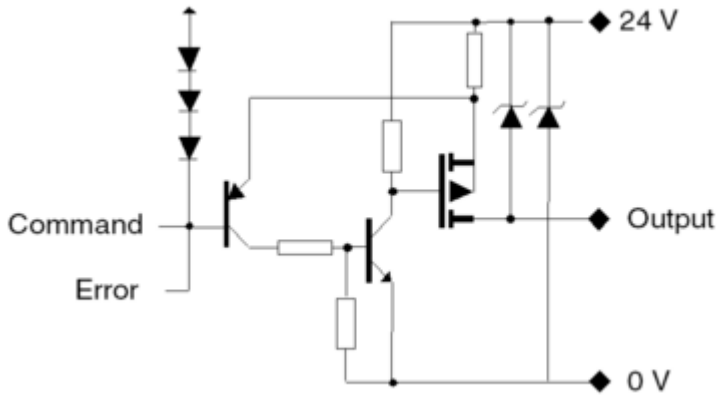
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

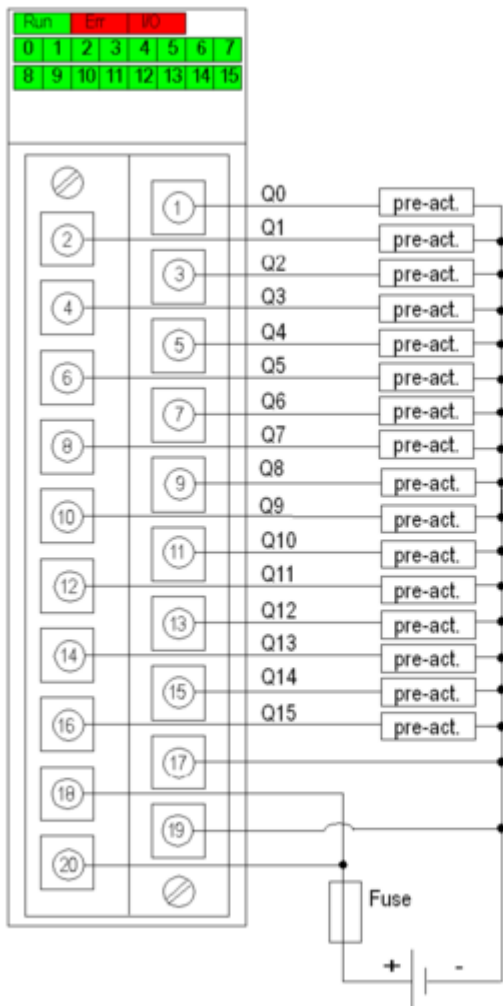
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection



power supply 24 VDC

**fuse** fast blow fuse of 6.3 A  
**pre-act** pre-actuator

Image of product / Alternate images

Alternative

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