

Product data sheet

Specifications



discrete output module, Modicon X80, 16 triac outputs, 100 to 240V AC

BMXDAO1605

Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	16
Discrete output type	Triac
Discrete output voltage	100...240 V AC
Discrete output current	0.6 A

Complementary

Maximum leakage current	1.5 mA at state 0 120 V AC 60 Hz 3 mA at state 0 240 V AC 60 Hz
Maximum voltage drop	<1.5 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Response time on output	<= 1.011 ms resistive activation <= 1.011 ms resistive deactivation
Typical current consumption	79 mA at 3.3 V DC
MTBF reliability	1800000 H
Protection type	1 external fuse fast blow
Inrush current	20 A
Maximum current per output common	2.4 A
Output current limits	0.025...4.8 A
Status LED	1 LED (green) module operating (RUN) 1 LED per channel (green) channel diagnostic 1 LED (red) module error (ERR) 1 LED (red) module I/O

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	2830 V AC at 50/60 Hz 1 min
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...85 °C
Ambient air temperature for operation	0...60 °C

Relative humidity	5...95 % at 55 °C without condensation
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Operating altitude	0...2000 m 2000...5000 m with derating factor
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Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
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Package 1 Height	5.500 cm
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Package 1 Width	11.700 cm
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Package 1 Length	11.700 cm
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Package 1 Weight	203.000 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	15.000 cm
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Package 2 Width	30.000 cm
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Package 2 Length	40.000 cm
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Package 2 Weight	3.398 kg
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Contractual warranty

Warranty	18 months
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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 39

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number 43b0fbab-d94b-43e8-be0a-0b39cadd288b

REACH Regulation [REACH Declaration](#)

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

End of life manual availability [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.

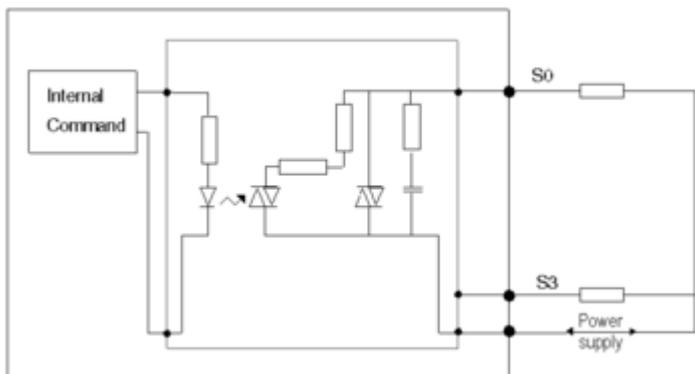
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

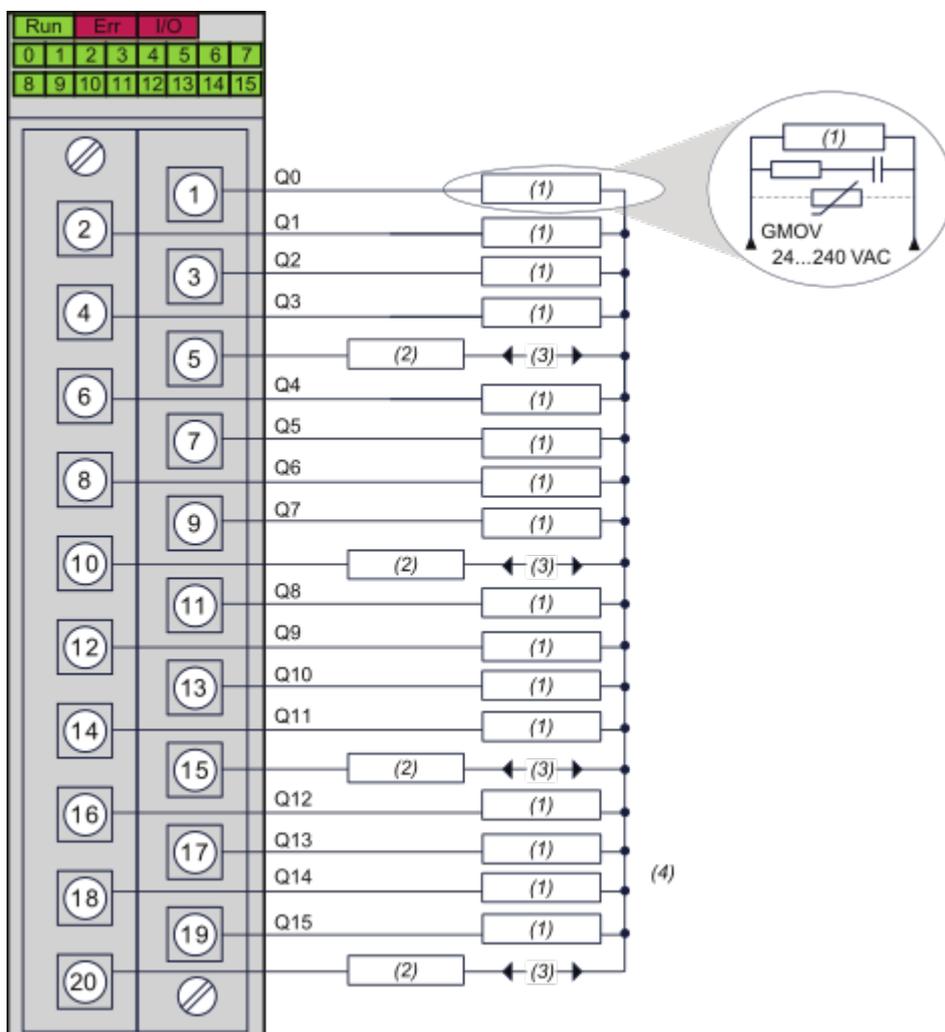
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection



- (1) Pre-actuator
- (2) Fuse : 1 fast blow fuse of 3 A for each 4-channel group
- (3) Power supply : 100...240 VAC
- (4) We recommend installing this type of protection on the terminals of each pre-actuator

Image of product / Alternate images

Alternative





