

# Product data sheet

## Characteristics

# BMXDAO1615H

discrete output X80 - 16 channel isolated triac -  
24..240 V AC - severe



Product availability: Non-Stock - Not normally stocked in distribution facility



### Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
Product Specific Application	For severe environments
Discrete output number	16 EN/IEC 61131-2
Discrete output type	Triac
Discrete output voltage	24...240 V 20...264 V AC
Discrete output current	1.2 A

### Complementary

Network Frequency	50/60 Hz
Network frequency limits	47...63 Hz
Voltage range	20...264 V
Current per channel	1.2 A 140 °F (60 °C) 0.6 A 158 °F (70 °C)
Maximum current per module	4 A 140 °F (60 °C) 2 A 158 °F (70 °C)
Maximum leakage current	1 MA at state 0 24 V 1 MA at state 0 48 V 2 MA at state 0 115 V 2.5 MA at state 0 240 V
Maximum voltage drop	<1.55 V at state 1
Insulation resistance	> 10 MΩ 500 V DC
Power dissipation in W	1.45 W
Response time on output	<= 10 ms resistive activation <= 10 ms resistive deactivation
Typical current consumption	61 mA 3.3 V DC 50 mA 24 V DC
MTBF reliability	788991 H
Protection type	1 external fuse 4 A fast blow
Output overload protection	With varistor
Inrush current	30 A
Maximum current per output common	4 A

Output current limits	0.005...10 A
Status LED	Module operating (RUN) 1 LED Green) Channel diagnostic 1 LED per channel Green) Module error (ERR) 1 LED Red) Module I/O 1 LED Red)
Net Weight	0.58 Lb(US) (0.264 kg)

## Environment

IP Degree of Protection	IP20
Environmental characteristic	Gas resistant class Gx Gas resistant class 3C4 Dust resistant class 3S4 Sand resistant class 3S4 Salt resistant level 2 Mold growth resistant class 3B2
Dielectric strength	3000 V AC 50/60 Hz 1 min
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Relative humidity	0...95 % -13...158 °F (-25...70 °C) without condensation
Protective treatment	Conformal coating
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

## Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
GTIN	3606489485054
Nbr. of units in pkg.	1
Package weight(Lbs)	13.90 Oz (394 g)
Returnability	No
Country of origin	FR

## Packing Units

Unit Type of Package 1	PCE
Package 1 Height	2.17 In (5.5 cm)
Package 1 width	7.09 In (18 cm)
Package 1 Length	10.24 In (26 cm)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Weight	7.50 Lb(US) (3.4 kg)
Package 2 Height	11.81 In (30 cm)
Package 2 width	11.81 In (30 cm)
Package 2 Length	15.75 In (40 cm)

## Offer Sustainability

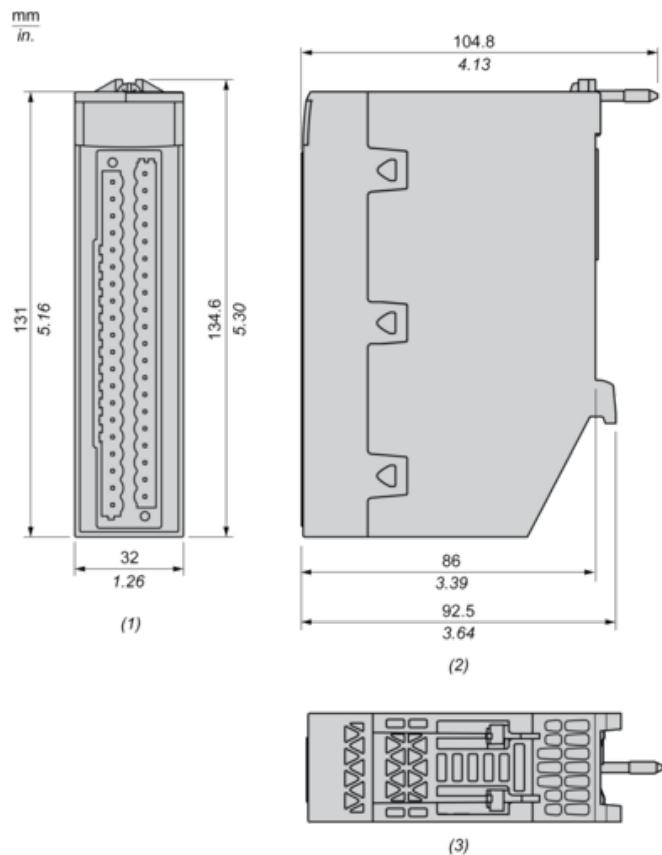
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes

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RoHS exemption information	<input checked="" type="checkbox"/> Yes
China RoHS Regulation	<input checked="" type="checkbox"/> China RoHS Declaration
Environmental Disclosure	<input checked="" type="checkbox"/> Product Environmental Profile
Circularity Profile	<input checked="" type="checkbox"/> End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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Dimensions



(1) Front view

(2) Right view

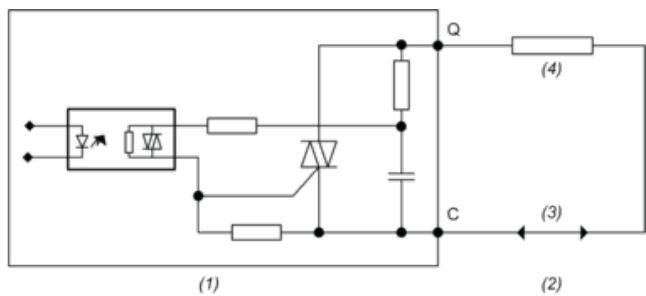
(3) Top view

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## Connecting the Module

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### Output Circuit Diagram



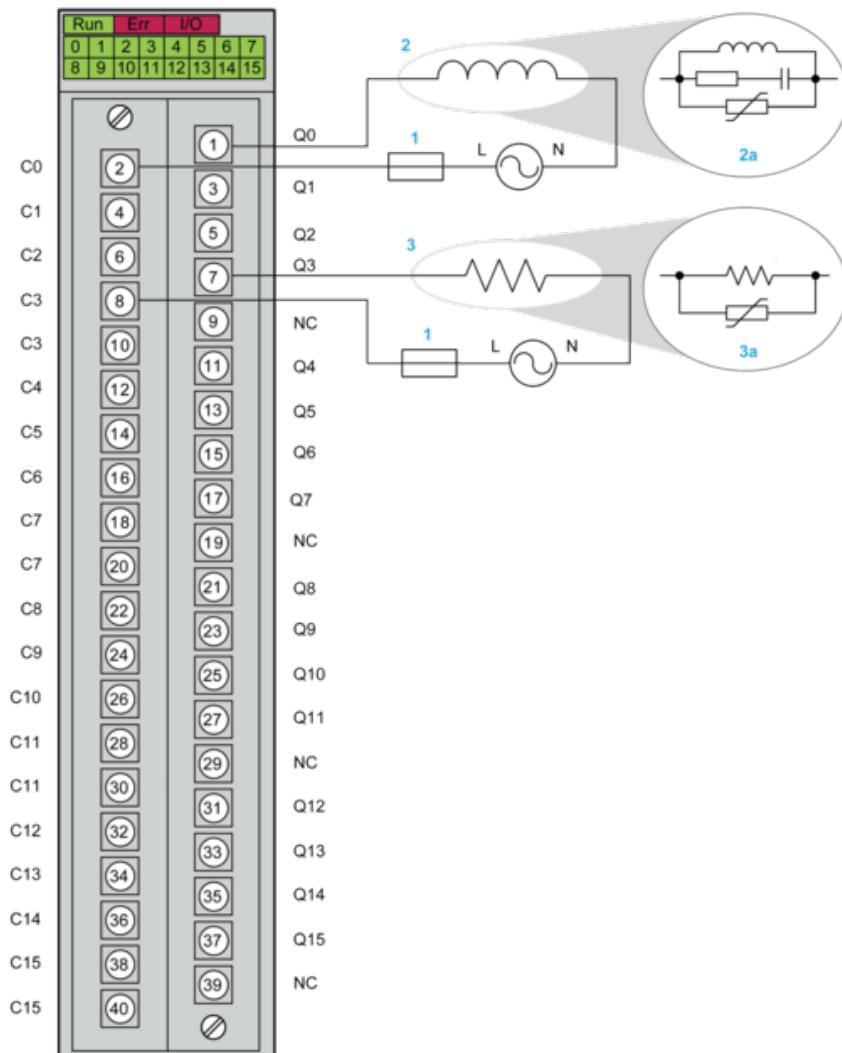
(1) Module

(2) Output

(3) Power supply

(4) Pre-actuator

## Module Connection



NC: Not connected

1 : 4 A fast blow fuse

2 : Inductive load

3 : Resistive load

2a and 3a : Recommended output protection

Product Life Status : **Commercialised**