Product data sheet

Specifications

discrete output module, Modicon X80, 16 isolated triac outputs, 24 to 240V AC

BMXDAO1615

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
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	3 A

Complementary

Network Frequency	50/60 Hz
Network frequency limits	47…63 Hz
Sensor power supply	20...264 V
Current per channel	3 A 104 °F (40 °C) 1.2 A 140 °F (60 °C)
Maximum current per module	10 A 104 °F (40 °C) 4 A 140 °F (60 °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 MOhm 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	500000 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	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

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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Net Weight	0.582 lb(US) (0.264 kg)

Environment

IP Degree of Protection	IP20
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	32…140 °F (0…60 °C)
Relative humidity	0…95 % 32…140 °F (0…60 °C) without condensation
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m with derating factor

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606489485047
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	14.286 oz (405.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	8.157 lb(US) (3.700 kg)

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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

Carbon footprint (kg CO2 eq, Total Life cycle)	**34**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

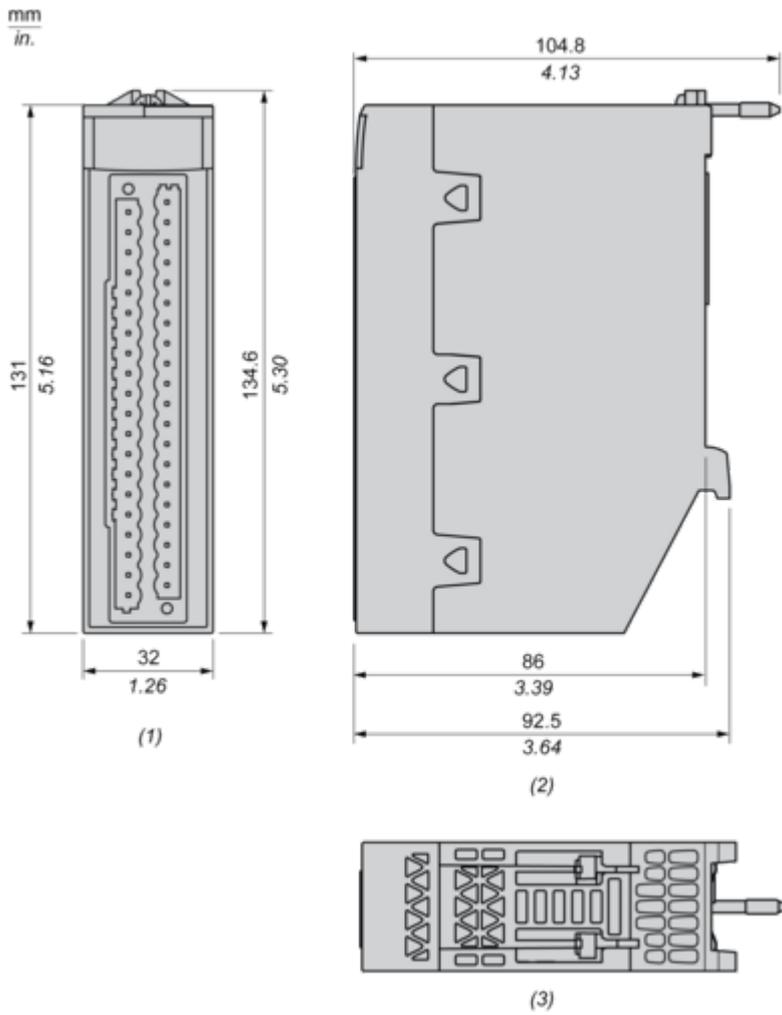|	
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**43b0fbab-d94b-43e8-be0a-0b39cadd288b**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: 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

Circularity Profile	**End of Life Information**
Take-back	**No**

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Dimensions Drawings

Dimensions

mm
in.

104.8
4.13

131
5.16

134.6
5.30

32
1.26

(1)

86
3.39

92.5
3.64

(2)

(3)

(1) Front view
(2) Right view
(3) Top view

Connections and Schema

Connecting the Module

Output Circuit Diagram
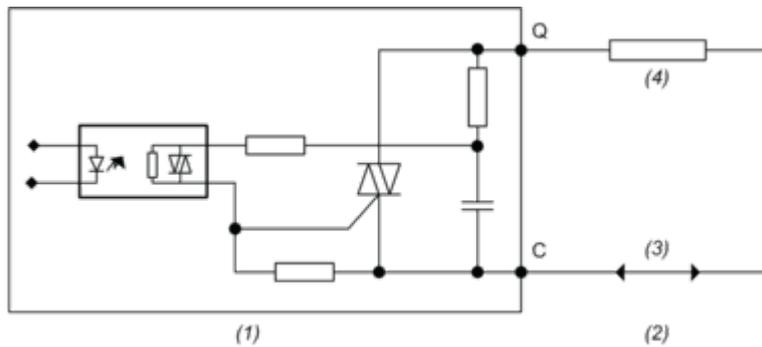
(1) Module
(2) Output
(3) Power supply
(4) Pre-actuator

Module Connection
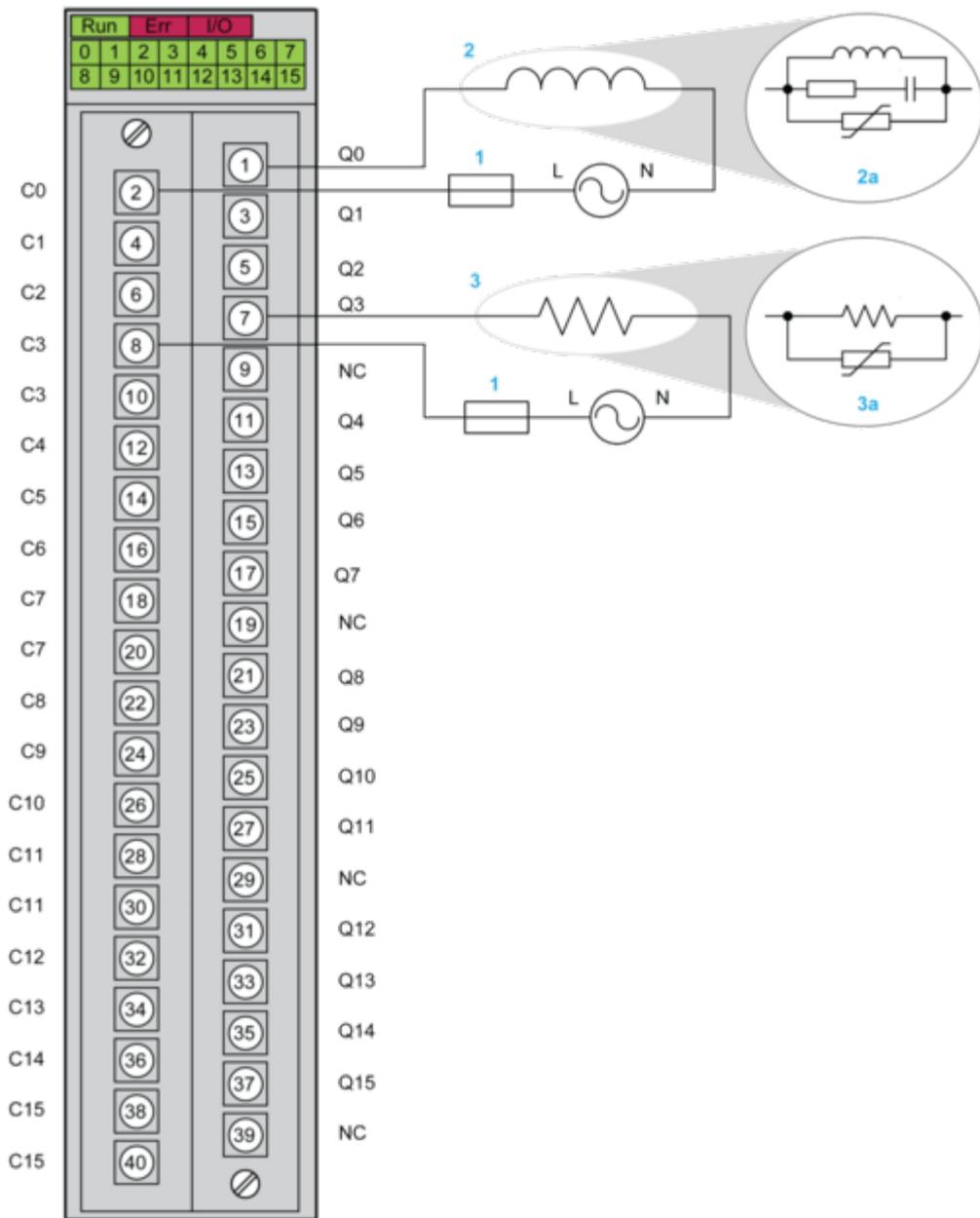
NC: Not connected
1 : 4 A fast blow fuse
2 : Inductive load
3 : Resistive load
2a and 3a : Recommended output protection

Image of product / Alternate images

Alternative