

# BMXDAO1605H

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



## Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
Product Specific Application	For severe environments
Discrete output number	16
Discrete output type	Triac
Discrete output voltage	100...240 V AC
Discrete output current	0.6 A

## Complementary

Current per channel	0.24 A 158 °F (70 °C) 0.6 A 140 °F (60 °C)
Maximum current per output common	0.96 A 158 °F (70 °C) 2.4 A 140 °F (60 °C)
Maximum current per module	1.92 A 158 °F (70 °C) 4.8 A 140 °F (60 °C)
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 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
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 Fungal spore resistant class 3B2
Dielectric strength	2830 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	5...95 % 131 °F (55 °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	US1PC3418160
Discount Schedule	PC34
GTIN	3595864027821
Returnability	No
Country of origin	US

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	4.409 in (11.200 cm)
Package 1 Length	4.685 in (11.900 cm)
Package 1 Weight	7.372 oz (209.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.209 lb(US) (3.270 kg)

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

## Contractual warranty

Warranty	18 months
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