Product data sheet

Specifications



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

BMXDAO1605H

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
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

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
Nbr. of units in pkg.	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 weight(Lbs)	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)

Contractual warranty

Warranty (in months)	18

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

Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
SCIP Number	43b0fbab-d94b-43e8-be0a-0b39cadd288b
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
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 Longer

Lifetime extension

Repair	No

Use Again

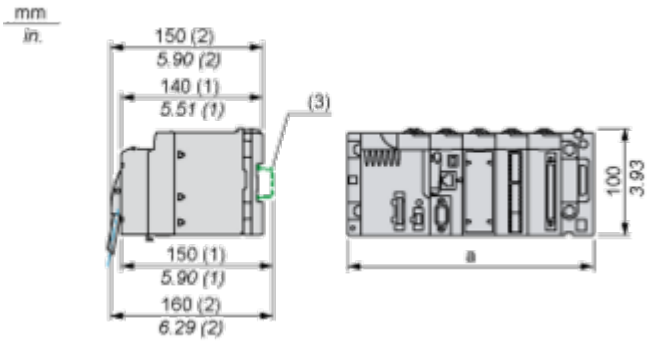
Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Modules Mounted on Racks

Dimensions



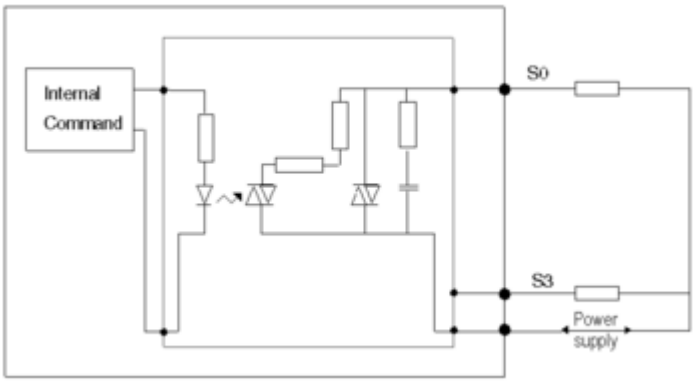
(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

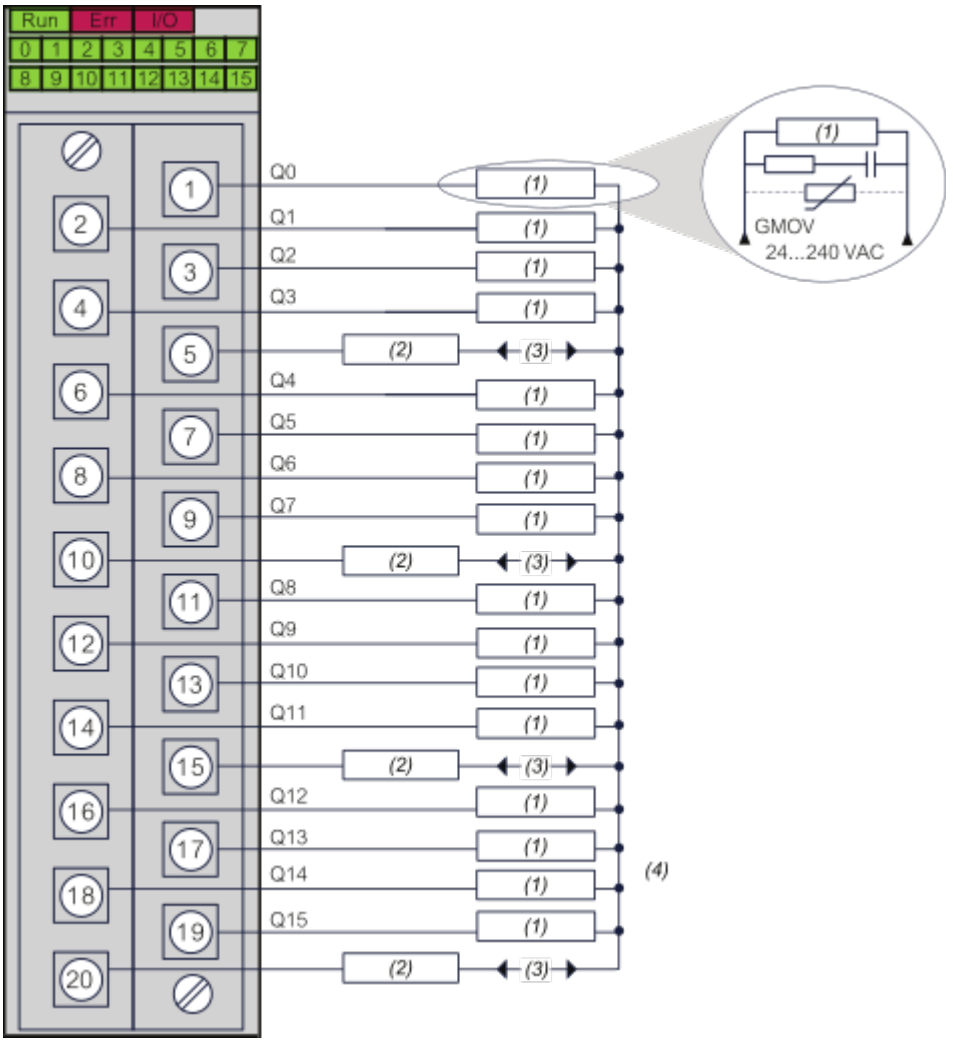
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection

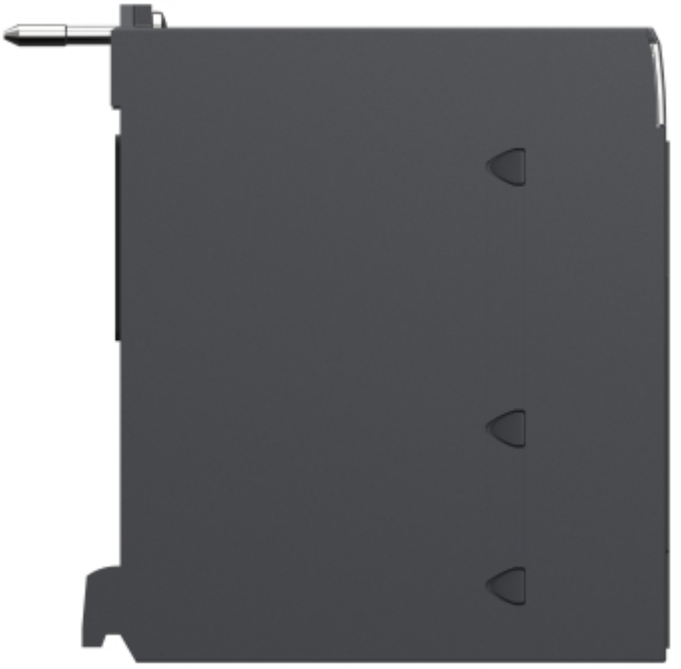


(1) Pre-actuator
(2) Fuse : 1 fast blow fuse of 3 A for each 4-channel group
(3) Power supply : 100...240 VAC
(4) We recommend installing this type of protection on the terminals of each pre-actuator

Image of product / Alternate images

Alternative










SN:XXXXXXXXXXX
PV:XX
RL:XX

