Product data sheet

Specifications

Green Premium™

discrete output module, Modicon X80, 16 transistor outputs, 24V DC positive, for severe environments

BMXDDO1602H

Product availability: Stock - 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	Solid state
Discrete output logic	Positive
Discrete output voltage	24 V 19...30 V DC
Discrete output current	0.5 A

Complementary

Current per channel	0.625 A
Maximum current per module	10 A
Maximum leakage current	0.5 mA at state 0
Maximum voltage drop	<1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	4 W
Response time on output	1.2 ms
Paralleling of outputs	Yes : 2 maximum
Typical current consumption	79 mA 3.3 V DC
MTBF reliability	410000 H
Protection type	External fuse reverse polarity protection short-circuit protection overload protection overvoltage protection
Output overload protection	With electronic circuit breaker 1.5 In < Id < 2 In With current limiter
Output overvoltage protection	With transil diode
Output short-circuit protection	With 2 A external fuse
Reverse polarity protection	Reverse mounted diode
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0
Maximum tungsten load	6 W
Switching frequency	0.5/LI² Hz
Load impedance ohmic	> 48 Ohm

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

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
Net Weight	0.26 lb(US) (0.12 kg)

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	1500 V AC 50/60 Hz 1 minute, output/ground
	1500 V AC 50/60 Hz 1 minute, output/internal logic
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient Air Temperature for Storage	-40.0000000000…185.0000000000 °F (-40…85 °C)
Ambient Air Temperature for Operation	-13.0000000000…158.0000000000 °F (-25…70 °C)
Relative humidity	5…95 % 131.0000000000 °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	3595864025766
Returnability	Yes
Country of origin	ID

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	4.3 in (11.0 cm)
Package 1 Length	4.5 in (11.5 cm)
Package 1 Weight	6.03 oz (171.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)

Package 2 Weight	6.594 lb(US) (2.991 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	240
Package 3 Height	29.5 in (75.0 cm)
Package 3 Width	23.6 in (60.0 cm)
Package 3 Length	31.5 in (80.0 cm)
Package 3 Weight	130.07 lb(US) (59 kg)

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium ›

Guide to assess a product's sustainability ›

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation
REACh Declaration

Eu Rohs Directive
Pro-active compliance (Product out of EU RoHS legal scope)

China Rohs Regulation
China RoHS declaration

Environmental Disclosure
Product Environmental Profile

Weee
The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
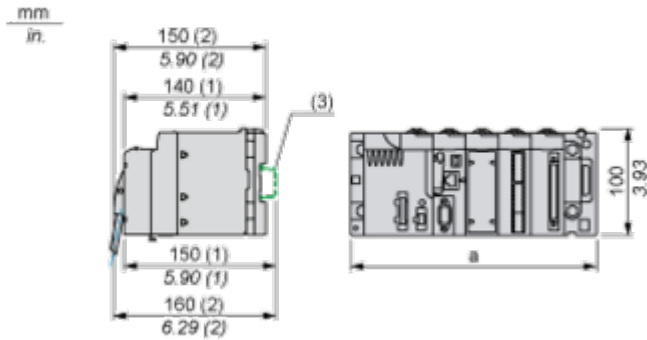
Circularity Profile
End of Life Information

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

Dimensions Drawings

Modules Mounted on Racks

Dimensions

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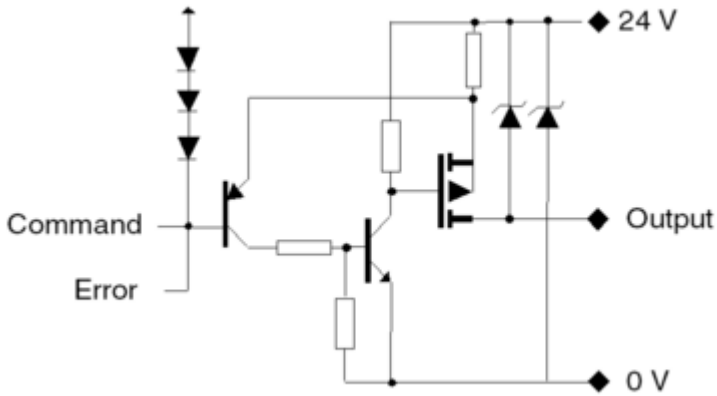**(2)** With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

BMXDDO1602H

Connections and Schema

Connecting the Module

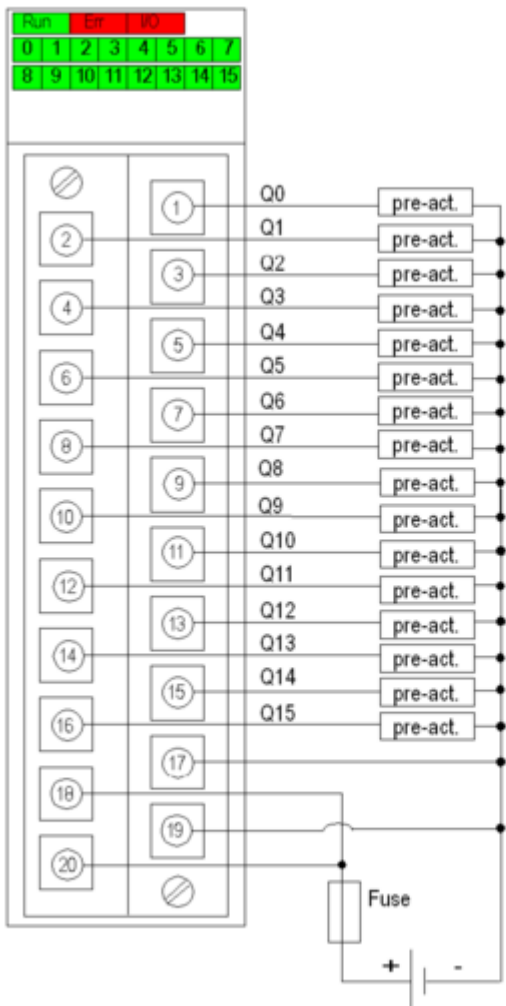### Output Circuit Diagram

Module Connection

power supply 24 VDC

BMXDDO1602H

fuse fast blow fuse of 6.3 A
pre-act pre-actuator