Product data sheet

Specifications

discrete output module, Modicon X80, 8 NO relay outputs, 24 to 240V AC, 24 to 125V DC

BMXDRA0815

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Relay discrete output module
Discrete output number	8 EN/IEC 61131-2
Discrete output logic	Positive
Discrete output voltage	24...240 V 19...264 V AC 24...125 V 5...150 V DC

Complementary

Electrical connection	20 ways terminal block
Network Frequency	50/60 Hz
Network frequency limits	47…63 Hz
Sensor power supply	5...150 V 19...264 V
[Ith] conventional free air thermal current	3 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	3.6 W
Response time on output	<= 10 ms activation <= 13 ms deactivation
Typical current consumption	40 mA 3.3 V DC 101 mA 24 V DC
MTBF reliability	3200000 H
Protection type	External short-circuit protection External overload protection External overvoltage protection, inductive AC External overvoltage protection, inductive DC
Output overload protection	Use 1 fast blow fuse per channel or group of channel
Output overvoltage protection	Use discharge diode on each output DC Use RC circuit on each output AC Use ZNO surge limiter on each output AC
Output short-circuit protection	Use 1 fast blow fuse per channel or group of channel
Minimum switching current	1 mA 5 V DC

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

Electrical durability	AC-12 200000 cycles 48 VA 24 V 32…140 °F (0…60 °C) AC-12 300000 cycles 48 VA 48 V 32…140 °F (0…60 °C) AC-12 150000 cycles 96 VA 48 V 32…140 °F (0…60 °C) AC-12 300000 cycles 110 VA 100...120 V 32…140 °F (0…60 °C) AC-12 150000 cycles 220 VA 100...120 V 32…140 °F (0…60 °C) AC-12 300000 cycles 220 VA 200...250 V 32…140 °F (0…60 °C) AC-12 150000 cycles 500 VA 200...250 V 32…140 °F (0…60 °C) AC-15 700000 cycles 10 VA 24 V 32…140 °F (0…60 °C) 0.4) AC-15 500000 cycles 24 VA 24 V 32…140 °F (0…60 °C) 0.4) AC-15 200000 cycles 48 VA 24 V 32…140 °F (0…60 °C) 0.4) AC-15 700000 cycles 10 VA 48 V 32…140 °F (0…60 °C) 0.4) AC-15 500000 cycles 24 VA 48 V 32…140 °F (0…60 °C) 0.4) AC-15 300000 cycles 48 VA 48 V 32…140 °F (0…60 °C) 0.4) AC-15 100000 cycles 96 VA 48 V 32…140 °F (0…60 °C) 0.4) AC-15 1000000 cycles 10 VA 100...120 V 32…140 °F (0…60 °C) 0.4) AC-15 300000 cycles 50 VA 100...120 V 32…140 °F (0…60 °C) 0.4) AC-15 200000 cycles 110 VA 100...120 V 32…140 °F (0…60 °C) 0.4) AC-15 70000 cycles 220 VA 100...120 V 32…140 °F (0…60 °C) 0.4) AC-15 1000000 cycles 10 VA 200...250 V 32…140 °F (0…60 °C) 0.4) AC-15 500000 cycles 50 VA 200...250 V 32…140 °F (0…60 °C) 0.4) AC-15 200000 cycles 110 VA 200...250 V 32…140 °F (0…60 °C) 0.4) AC-15 150000 cycles 220 VA 200...250 V 32…140 °F (0…60 °C) 0.4) DC-12 200000 cycles 24 W 24 V 32…140 °F (0…60 °C) DC-12 150000 cycles 48 W 24 V 32…140 °F (0…60 °C) DC-12 150000 cycles 40 W 48...60 V 32…140 °F (0…60 °C) DC-12 100000 cycles 45 W 100...125 V 32…140 °F (0…60 °C) DC-13 100000 cycles 10 W 24 V 32…140 °F (0…60 °C) DC-13 60000 cycles 24 W 24 V 32…140 °F (0…60 °C) DC-13 40000 cycles 48 W 24 V 32…140 °F (0…60 °C) DC-13 40000 cycles 40 W 48...60 V 32…140 °F (0…60 °C) DC-13 100000 cycles 15 W 100...125 V 32…140 °F (0…60 °C)
Status LED	1 LED (Green) RUN 1 LED per channel (Green) channel diagnostic 1 LED (Red) ERR 1 LED (Red) I/O
Net Weight	0.373 lb(US) (0.169 kg)

Environment

IP Degree of Protection	IP20
Dielectric strength	1780 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 % 140 °F (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	3606481275608
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Package 1 Height	2.244 in (5.700 cm)
Package 1 Width	4.606 in (11.700 cm)
Package 1 Length	4.606 in (11.700 cm)
Package weight(Lbs)	7.055 oz (200.000 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	7.317 lb(US) (3.319 kg)

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)	**157**
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)**
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

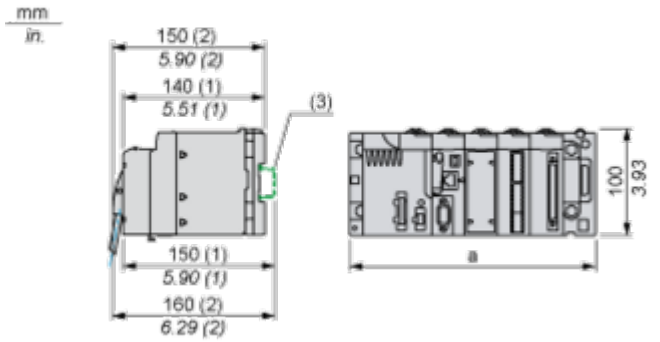
Repack and remanufacture

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

Dimensions Drawings

Modules Mounted on Racks

Dimensions



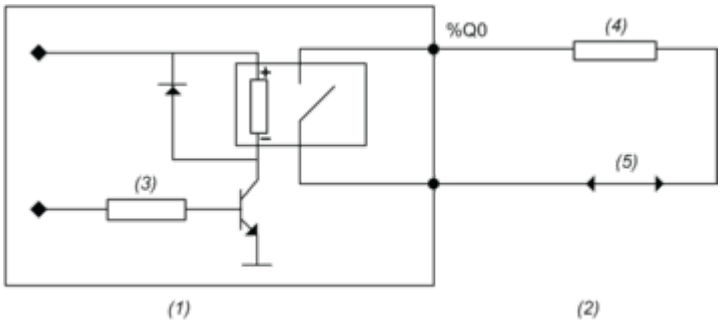
(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

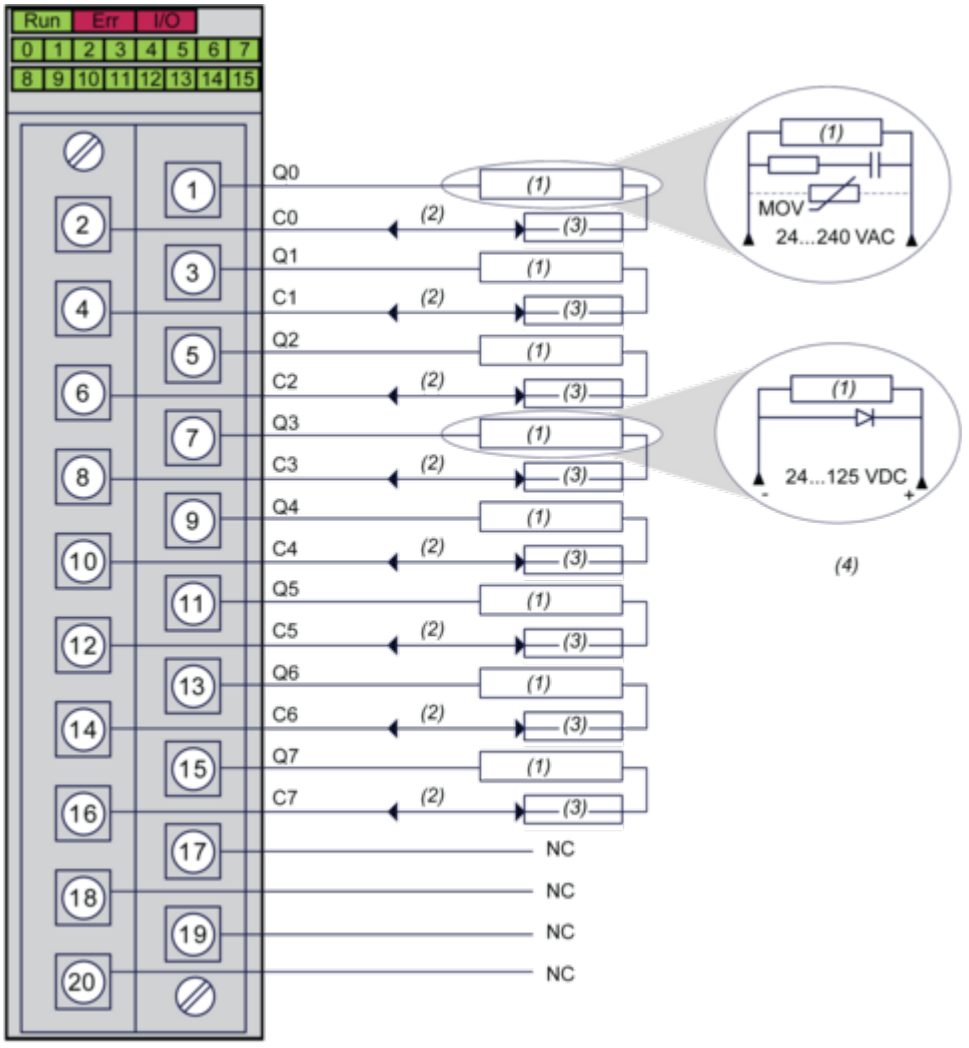
Connecting the Module

Output Circuit Diagram



(1) Module
(2) Output
(3) Command
(4) Pre-actuator
(5) Power supply

Module Connection

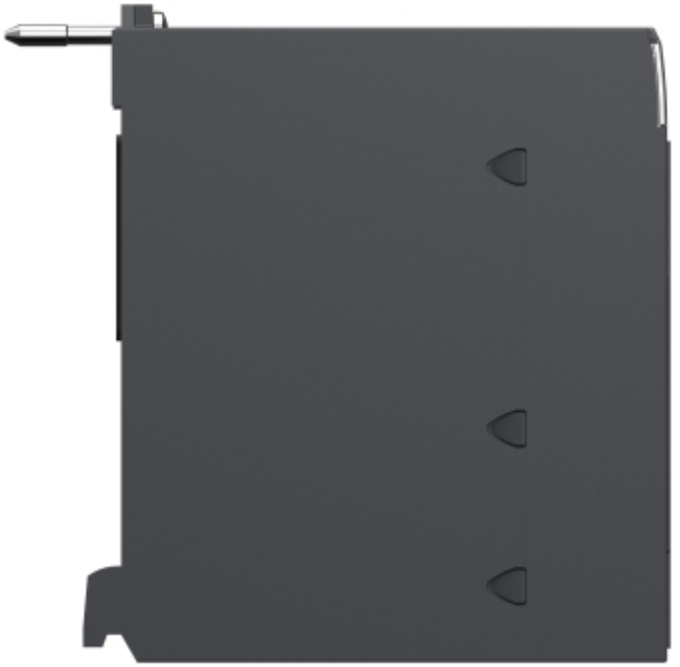


(1) Pre-actuator
(2) Power supply : 24...125 Vdc or 24...240 Vac

(3) Fuse : Use appropriate fast-blow fuse for each relay
(4) We recommend installing this type of protection on the terminals of each pre-actuator
N/C : Not connected

Image of product / Alternate images

Alternative




SN:XXXXXXXXXXX
PV:XX
RL:XX


Schneider
Electric
Modicon
BMXDRA0815
DIG 8Q 125VDC/250VAC
ISOLATED RELAYS
DOM : XXXX