Product data sheet

Specifications





discrete output module, Modicon X80, 8 NO relay outputs, 100 to 150V DC, extended temperature

BMXDRA0804T

Product availability: Stock - Normally stocked in distribution facility

Main

Range Of Product	Modicon X80
Product Or Component Type	Discrete output module
Product Specific Application	Extended temperature
Discrete Output Number	8 EN/IEC 61131-2
Discrete Output Type	Relay
Discrete Output Voltage	100150 V DC

Complementary

complementaly	
Insulation Resistance	> 10 MOhm 500 V DC
Power Dissipation In W	3.17 W
Response Time On Output	< 10 ms activation < 10 ms deactivation
Typical Current Consumption	61 mA 3.3 V DC 104 mA 24 V DC
Current Consumption	<= 112 mA 3.3 V DC <= 117 mA 24 V DC
Mtbf Reliability	2800000 H
Output Overload Protection	Use 1 fast blow fuse per channel or group of channel
Output Overvoltage Protection	Use discharge diode on each output DC
Output Short-Circuit Protection	Use 1 fast blow fuse per channel or group of channel
Maximum Switching Current	0.3 A
Minimum Switching Current	100 mA 5 V DC
Mechanical Durability	2000000 cycles
Electrical Durability	DC-12 100000 cycles 37 W 125 V DC-13 100000 cycles 12 W 125 V
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	0.32 lb(US) (0.145 kg)

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.

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	2000 V AC 50/60 Hz 1 min
Vibration Resistance	3 gn
Shock Resistance	30 gn
Ambient Air Temperature For Storage	-40185 °F (-4085 °C)
Ambient Air Temperature For Operation	-13158 °F (-2570 °C)
Relative Humidity	595 % 131 °F (55 °C) without condensation
Protective Treatment	Conformal coating
Operating Altitude	06561.68 ft (02000 m) 20005000 m with derating factor

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
Gtin	3595864082202
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	4.92 in (12.500 cm)
Package 1 Weight	6.98 oz (198.000 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	6.25 lb(US) (2.835 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

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

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

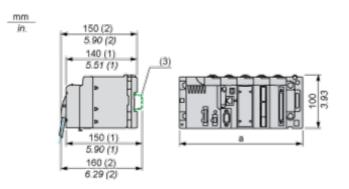
Certifications & Standards

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.	
Weee Circularity Profile		

Dimensions Drawings

Modules Mounted on Racks

Dimensions



(1) With removable terminal block (cage, screw or spring).

(2) With FCN connector.

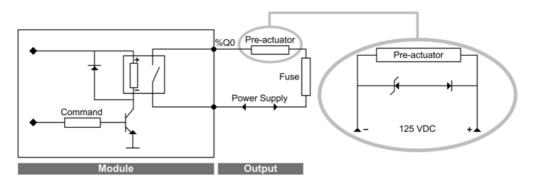
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

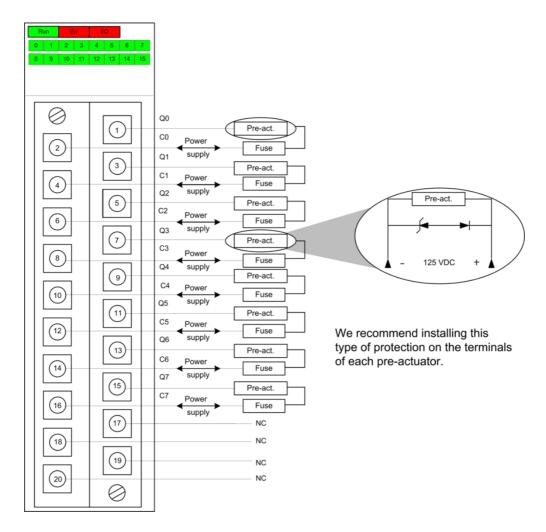
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection



power supply 125 VDC (100...150 VDC) fuse 1 fast blow fuse of 0.5 A, 250 VDC for each relay NC not connected

NOTE: A Zener Diode voltage of 47 V or slightly higher is recommended.