Product data sheet

Specifications





discrete input module, Modicon X80, 16 inputs, 125V DC positive, extended temperature

BMXDDI1604T

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Discrete input module
Product Specific Application	Extended temperature
Discrete input number	16
Discrete input type	Isolated
input type	Current sink (logic positive)
Discrete input voltage	125 V DC positive
Discrete input current	2.4 mA

Complementary

Sensor power supply	100150 V
Current state 1 guaranteed	>= 2 mA
Current state 0 guaranteed	<= 0.5 mA
Input impedance	50000 Ohm
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	3.2 W 158.0000000000 °F (70 °C) 5.0 W 140.0000000000 °F (60 °C) 6.7 W 122.0000000000 °F (50 °C) 8.5 W 104.0000000000 °F (40 °C)
DC typical response time	5 ms
DC maximum response time	9 ms
Paralleling of inputs	Yes
Typical current consumption	76 mA 3.3 V DC
Current consumption	<= 107 mA 3.3 V DC
Protection type	reverse polarity protection fast blow 1 external fuse per group of channel 0.5 A
Voltage detection threshold	< 80 V DC sensor fault > 100 V DC sensor OK
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	0.254 lb(US) (0.115 kg)

Environment

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



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	2500 V AC 50/60 Hz 1 minute, primary/secondary
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient Air Temperature for Storage	-40.0000000000185.0000000000 °F (-4085 °C)
Ambient Air Temperature for Operation	-13.0000000000158.0000000000 °F (-2570 °C)
Relative humidity	595 % 131.0000000000 °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	3595864082196
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	4.409 in (11.200 cm)
Package 1 Length	4.646 in (11.800 cm)
Package 1 Weight	5.185 oz (147.000 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	5.688 lb(US) (2.580 kg)

Contractual warranty

Warranty 18 months



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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

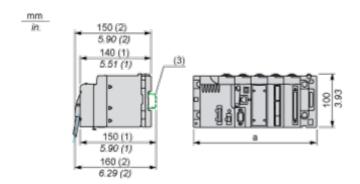
Reach Regulation	REACh Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
China Rohs Regulation	China RoHS declaration	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste 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	

BMXDDI1604T

Dimensions Drawings

Modules Mounted on Racks

Dimensions



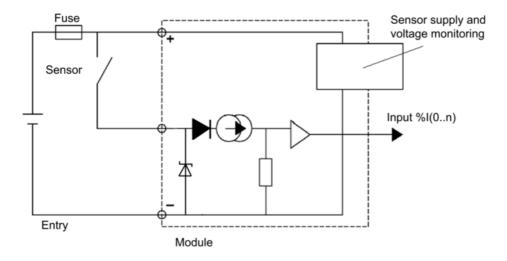
- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

Input Circuit Diagram



Module Connection

BMXDDI1604T

