

Product datasheet

Specifications



multifunction input module Modicon X80 - 16 I - 24/24..125 V

BMXERT1604T

Price: 15,249.19 ZAR

Main

Range Of Product	Modicon X80
Product Or Component Type	Multifunction input module

Complementary

Function Available	Hot swap
Data Recording	1 ms time stamps
Time Synchronisation Protocol	DCF77 IRIG-B
Group Of Channels	4 groups of 4 inputs for process input
[Us] Rated Supply Voltage	24 V DC (voltage range: 19...30 V) 48...60 V DC (voltage range: 38...75 V) 110...125 V DC (voltage range: 88...156 V)
Switching Voltage	125 V at 1.3 mA for process input 110 V at 1.3 mA for process input 60 V at 2.5 mA for process input 48 V at 2.5 mA for process input 24 V at 6.7 mA for process input
Maximum Power Consumption In W	4 W for process input
Current Consumption	30 mA at 24 V DC 130 mA at 3.3 V DC
Isolation Voltage	2500 V DC for 60 s bus to discrete input 1400 V DC for 60 s bus to IRIG/DCF 2500 V DC for 60 s discrete input to IRIG/DCF
Anti Bounce Filtering	Configurable from 0 to 255 ms
Sampling Duration	0.5 ms
Acquisition Time	1 ms
Local Signalling	1 LED (green) for firmware and module run (RUN) 1 LED (green) for status of time code input (T) 1 LED (red) for module fault (ERR) 1 LED (red) for power supply interruption (I/O) 16 LEDs for input status (0...15)
Width	32 mm
Height	100 mm
Depth	86 mm

Environment

Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-40...85 °C

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Relative Humidity	95 % without condensation
Operating Altitude	<= 4000 m
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Product Certifications	CE RCM CSA EAC Merchant Navy UL
Standards	EN/IEC 61010-2-201 EN/IEC 61131-2 UL 61010-2-201 CSA C22.2 No 61010-2-201
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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	11.0 cm
Package 1 Length	11.7 cm
Package 1 Weight	153.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	15
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.6 kg

Contractual warranty

Warranty	18 months
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Sustainability

Green Premium™ 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-CO₂ 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

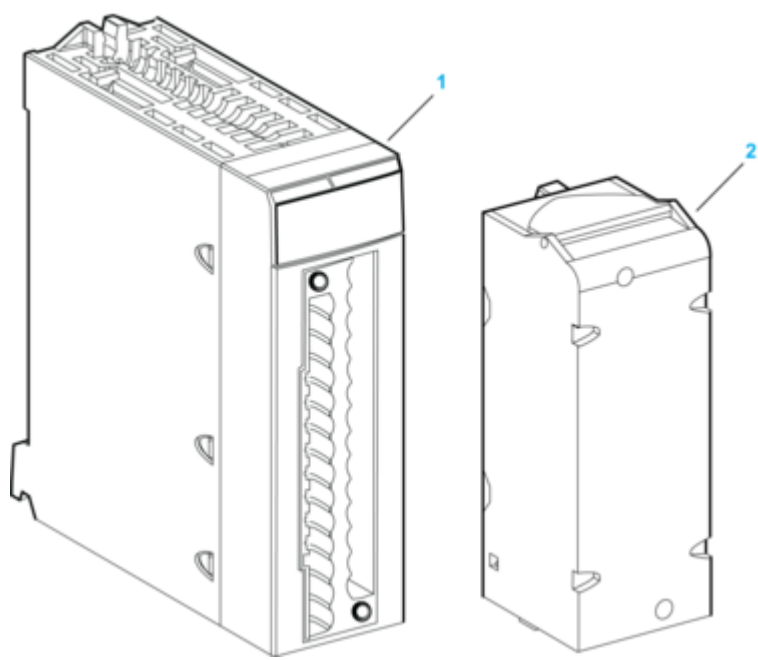
 RoHS Exemption Information [Yes](#)

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

Presentation

Presentation

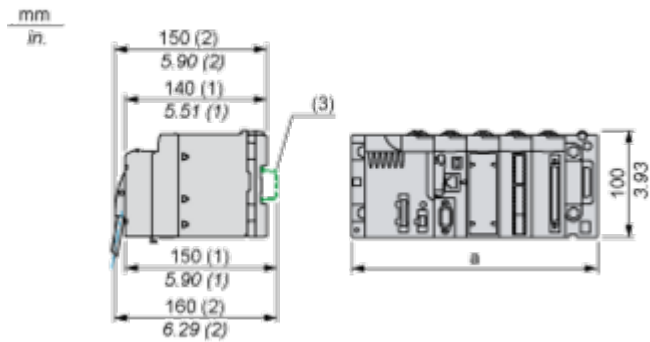


- 1 : Module
- 2 : 28-pin removable terminal block (provided separately)

Dimensions Drawings

Modules Mounted on Racks

Dimensions

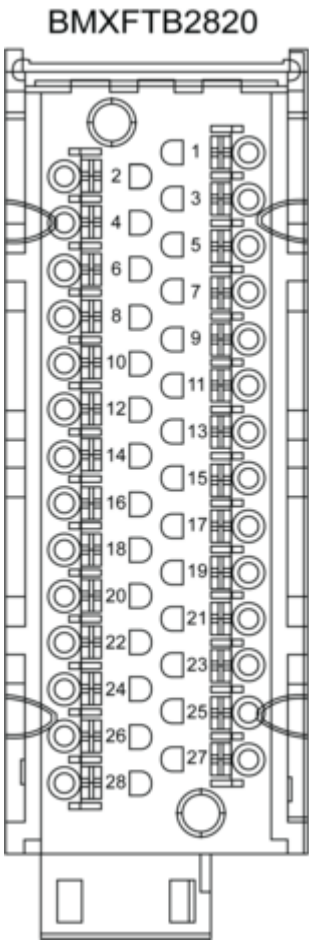


- (1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

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

Wiring Diagram



Definition	Pin Number		Definition
DCF_IN	2	1	IRIG+
DCF_COM	4	3	IRIG-
Not Connected	6	5	Not Connected
I1	8	7	I0
I3	10	9	I2
I5	12	11	I4
I7	14	13	I6
I9	16	15	I8
I11	18	17	I10
I13	20	19	I12
I15	22	21	I14

Definition	Pin Number		Definition
Not Connected	24	23	Not Connected
UB+	26	25	0 Vdc
UB+	28	27	0 Vdc

