Product data sheet

Specifications

communication module, Modicon M580, IEC 60870-5-101/104, DNP3, for severe environments

BMENOR2200H

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

Main

Range of Product	Modicon M580
Product or Component Type	Communication module
Device Application	Remote monitoring and telecontrol application

Complementary

Product compatibility	Modicon M580 standalone CPU (BMEP58…..) Modicon M580 Redundant CPU (BMEH58…..) Modicon M580 safety CPU (non interfering type 1) (BMEP582…..) Modicon M580 safety Redundant CPU (non interfering type 1) (BMEH582…..) Modicon X80 Rack with Ethernet backplane (BMEXBP…..)
Mounting Location	Main rack
Backplane slot location	Ethernet + X-bus Slot
Slot occupied by module	1
Maximum number of modules per rack	4
Supply	Internal power supply via rack
Integrated connection type	1 RS232 RJ45 115200 bit/s 8 wires 1 RS485 RJ45 115200 bit/s 1 twisted shielded pair 2 Ethernet RJ45 10/100/1000 Mbit/s double shielded twisted pair
Memory description	Support flash SD memory card (BMXRMS004GPF) 4 GB
Communication service	DNP3 NET server SAv2/SAv5 with pre-shared key DNP3 NET client SAv2/SAv5 with pre-shared key IEC 60870-5-101 server/client IEC 60870-5-104 server/client Modbus TCP messaging Web server (HTTPS), HTML5 FDR client SNTP client SNMP V1/V3 agent Time stamped events management Automatic events backup on power loss Transparent events routing from remote servers to SCADA Data logging service IEC60870-5-104 channel redundancy DNP3 NET multiple session Crashlog NAT router IP forwarding
Cybersecurity	Role-based access control System hardening Secure communication (HTTPS) Achilles certified Syslog protocol support Transport layer security for RTU protocols SNMP logging Certificate based authentication NAT Network physical isolation

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

Current consumption	137 mA 24 V DC
Local signalling	1 LED (green/red) for cyber security (SEC) 1 LED (yellow) for serial communication (SER COM) 1 LED (red) for download in progress (DL) 1 LED (red) for processor or system fault (ERR) 1 LED (red) for memory card fault (CARD ERR) 1 LED (green) for processor running (RUN) 1 LED (green/red) for status of control ethernet (NS) 1 LED (green) for RTU connection status (RTUCNX) 1 LED (green/red) for status of backplane ethernet (BS)
Width	1.3 in (32 mm)
Height	5.2 in (131 mm)
Length	3.4 in (86 mm)
Net Weight	0.90 lb(US) (0.41 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	Conformal coating
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Operating altitude	0...6561.68 ft (0...2000 m) 2000 m...5000 m with derating factor
vibration resistance	3 gn
Shock resistance	30 gn
Marking	CE
Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEx zone 2/22 UKCA type 1 UKCA
Standards	IEC 61131-2 IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 IEC 61000-6-5, interface type 1 and type 2 IEC 61850-3, location G IEC 60079-0
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive
Environmental characteristic	Gas resistant class Gx ISA S71.04 Gas resistant class 3C4 IEC 60721-3-3 Dust resistant class 3S4 IEC 60721-3-3 Sand resistant class 3S4 IEC 60721-3-3 Salt resistant level 2 IEC 68252 Mold growth resistant class 3B2 IEC 60721-3-3 Fungal spore resistant class 3B2 IEC 60721-3-3 Hazardous location class I division 2

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34

GTIN	3606489744236
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.087 in (5.300 cm)
Package 1 Width	7.008 in (17.800 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	19.894 oz (564.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.811 in (30.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	10.986 lb(US) (4.983 kg)

Contractual warranty

Warranty (in months)	18

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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

Total lifecycle Carbon footprint	**184 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**
Carbon footprint of the manufacturing phase [A1 to A3]	**39 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.2 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**144 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.5 kg CO2 eq.**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**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 Longer

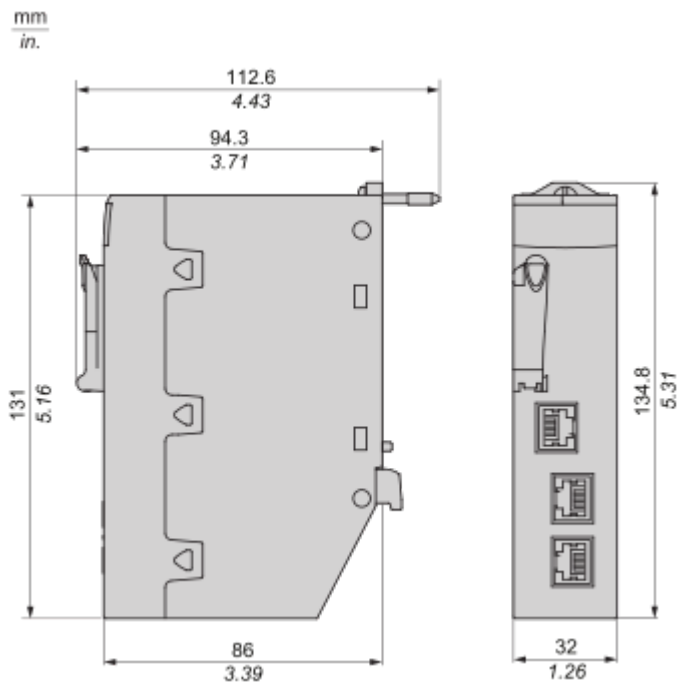### Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**32**
Circularity Profile	**End of Life Information**
Take-back	**No**

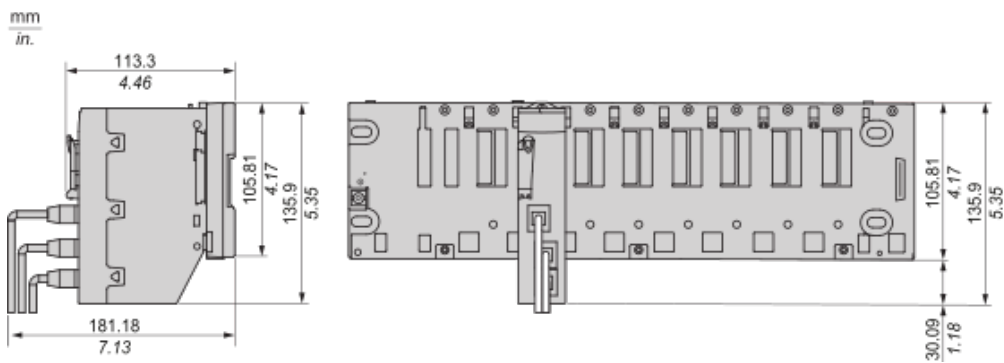Dimensions Drawings

Dimensions

Module mounted on rack

Image of product / Alternate images

Alternative

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