Product datasheet

Specifications

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

BMENOR2200H

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, connector type: RJ45, transmission rate: 115200 bit/s, transmission mode: 8 wires 1 RS485, connector type: RJ45, transmission rate: 115200 bit/s, transmission mode: 1 twisted shielded pair 2 Ethernet, connector type: RJ45, transmission rate: 10/100/1000 Mbit/s, transmission mode: 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 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
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
Current consumption	137 mA at 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	32 mm
Height	131 mm
Length	86 mm
Net weight	0.41 kg

Environment

IP degree of protection	IP20
Protective treatment	Conformal coating
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	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 conforming to ISA S71.04 Gas resistant class 3C4 conforming to IEC 60721-3-3 Dust resistant class 3S4 conforming to IEC 60721-3-3 Sand resistant class 3S4 conforming to IEC 60721-3-3 Salt resistant level 2 conforming to IEC 68252 Mold growth resistant class 3B2 conforming to IEC 60721-3-3 Fungal spore resistant class 3B2 conforming to IEC 60721-3-3 Hazardous location class I division 2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.300 cm

Package 1 Width	17.800 cm
Package 1 Length	26.000 cm
Package 1 Weight	564.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.983 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.

Apr 4, 2025

Environmental Data explained ›

How we assess product sustainability ›

🜀 Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**184**
Environmental Disclosure	**Product Environmental Profile**

Use Better
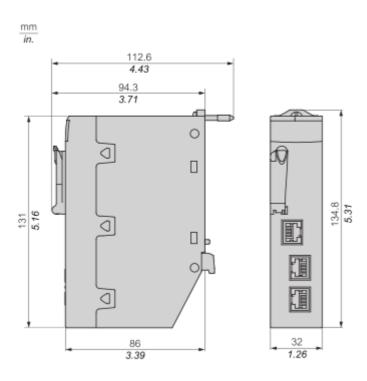
🜍 Materials and Packaging

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**

Use Again

🜅 Repack and remanufacture

Circularity Profile	**End of Life Information**
Take-back	**No**
WEEE	🗑 **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

Dimensions

Module mounted on rack