

Product data sheet

Specifications



Communication module, Modicon M580, performance, Ethernet IP/Modbus TCP, for severe environments

BMENOC0302H

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

Main

Range of Product	Modicon M580
Product or Component Type	Communication module
Device Application	Process and control communication module

Complementary

Product compatibility	Modicon M580 standalone CPU (BMEP58.....) Modicon M580 Redundant CPU (BMEH58.....)
Mounting Location	Main rack
Backplane slot location	Ethernet + X-bus Slot
Maximum number of modules per rack	6
Supply	Internal power supply via rack
Integrated connection type	2 Ethernet RJ45 10/100/1000 Mbit/s double shielded twisted pair 1 Ethernet RJ45 10/100 Mbit/s double shielded twisted pair
Exchange mode	Half duplex and full duplex
Transmission support medium	Ethernet backplane
Communication service	Bandwidth management FDR server SNMP network administrator Modbus TCP I/O Scanner and Messaging Ethernet/IP I/O Scanner and Messaging RSTP support Port mirroring Embedded multiport switch
Cybersecurity	Secure communication (HTTPS) Certificate based authentication System hardening Role-based access control Syslog protocol support IPSec (initiator and responder role) Achilles level 2 tested SNMP logging
Function Available	Hot swappable module Advanced diagnostic information (DDT, web pages, Modbus TCP and EIP Objects) SCADA connection through Modbus TCP
Web server	Advanced
Current consumption	155 mA 24 V DC
Local signalling	1 LED (green) for processor running (RUN) 1 LED (red) for processor or system fault (ERR) 1 LED (green/red) for ETH MS (Ethernet port configuration status) 1 LED (green/red) for Eth NS (Ethernet network status)
Width	1.3 in (32 mm)

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

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

Height	5.2 in (131 mm)
Length	3.39 in (86.05 mm)
Net Weight	0.9 lb(US) (0.4 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)
Relative humidity	5...95 % without condensation
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 CULus RCM UKCA
Standards	IEC 61131-2 IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IEC 61000-6-5, interface type 1 and type 2 IEC 61850-3, location G EN 50121-3-2 EN 50121-4 EN 50121-5
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2011/65/EU - RoHS
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	3606485871400
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	10.2 in (26 cm)
Package 1 Width	7.09 in (18 cm)

Package 1 Length	2.2 in (5.5 cm)
Package weight(Lbs)	18.7 oz (530 g)
Unit Type of Package 2	S03
Number of Units in Package 2	8
Package 2 Height	11.8 in (30 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	10.4 lb(US) (4.7 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.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

Carbon footprint (kg CO2 eq, Total Life cycle)	62
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	42ef95ae-d5d6-43c4-a7bf-0176e23c7cba
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
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Use Again

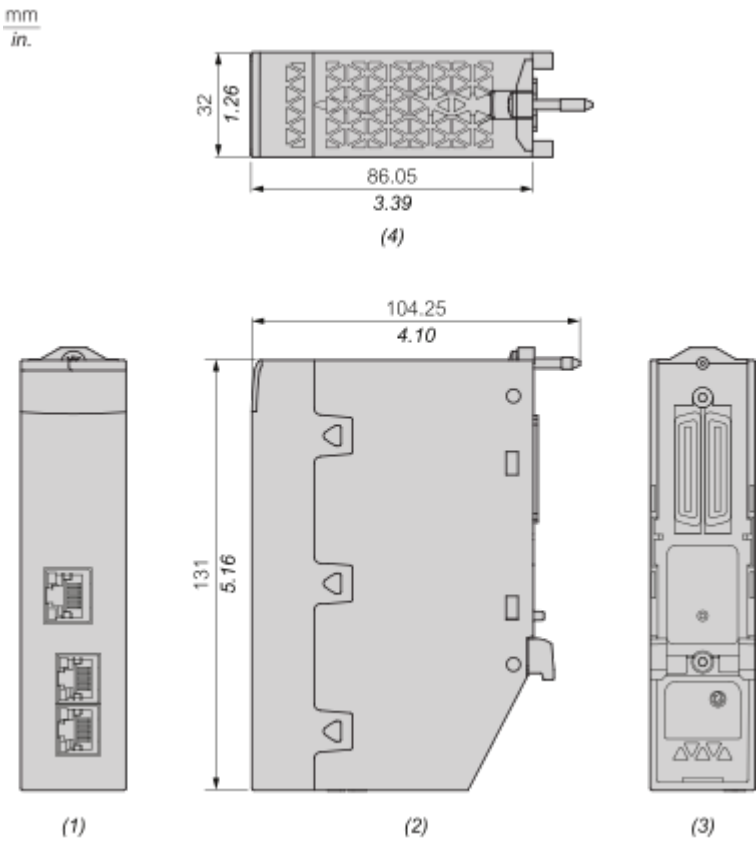


Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions



- (1) : Front View
- (2) : Side View
- (3) : Back View
- (4) : Top View

Image of product / Alternate images

Alternative



