Product data sheet

Specifications



Communication module, Modicon M580, performance, Ethernet IP/ Modbus TCP

BMENOC0302

Product availability: Stock - 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…..) 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	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)

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

Width	1.3 in (32 mm)
Height	5.2 in (131 mm)
Length	3.39 in (86.05 mm)
Product Weight	0.9 lb(US) (0.4 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	Standard version
Ambient Air Temperature for Operation	32…140 °F (0…60 °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 RCM CULus 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 EN 50155
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2011/65/EU - RoHS

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606485871417
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.165 in (5.500 cm)
Package 1 Width	7.087 in (18.000 cm)
Package 1 Length	10.236 in (26.000 cm)
Package weight(Lbs)	19.259 oz (546.000 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	10.917 lb(US) (4.952 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

Total lifecycle Carbon footprint	**61 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**37 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]	**24 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.9 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**A84ac67c-5954-4bcf-a15f-250214b62db5**
EU RoHS Directive	**Compliant By Exemption**
REACh Regulation	**Reference contains Substances of Very High Concern above the threshold**
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**

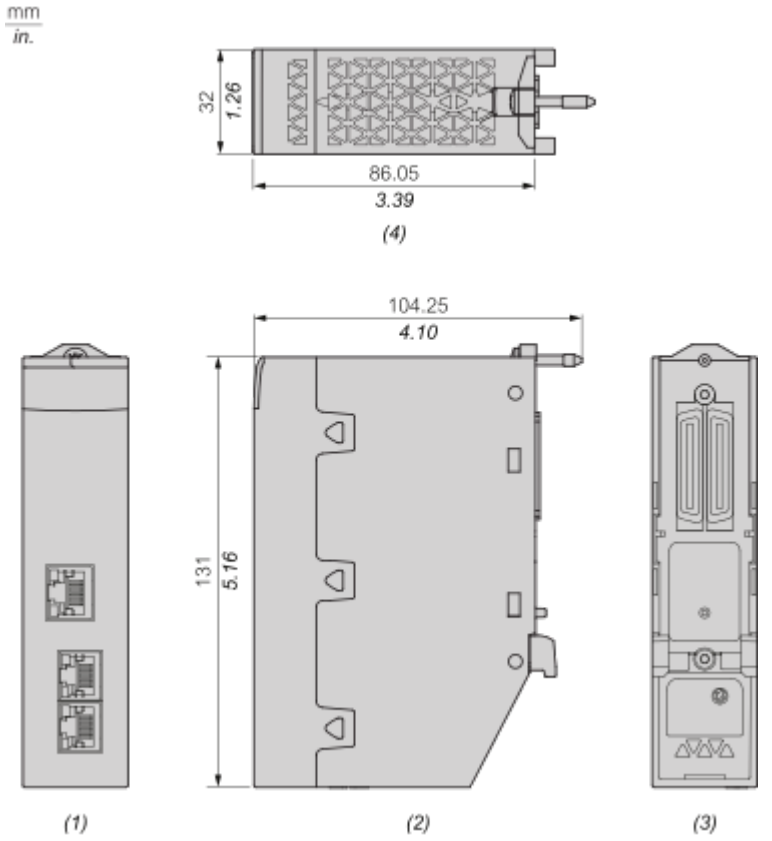
Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	**End of Life Information**
Take-back	**No**

Dimensions Drawings

Dimensions



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

Technical Illustration

Dimensions

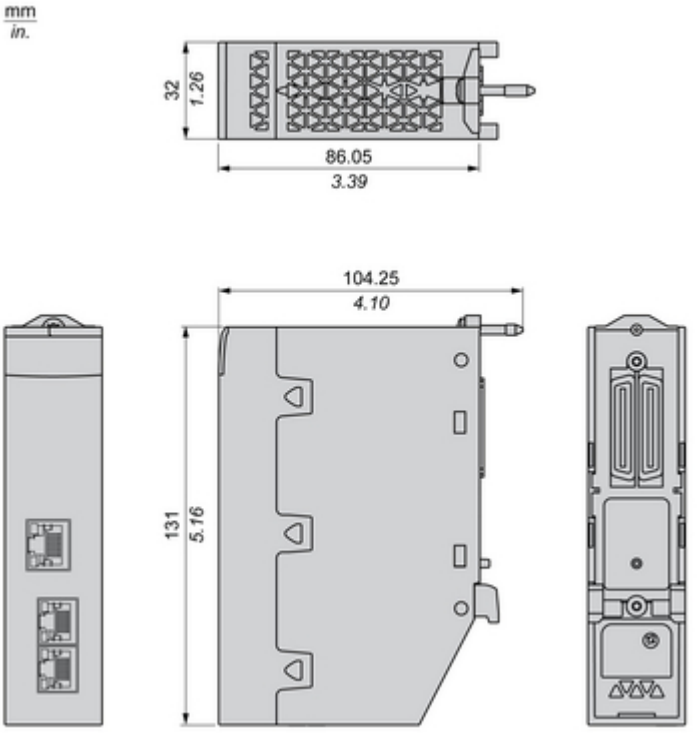
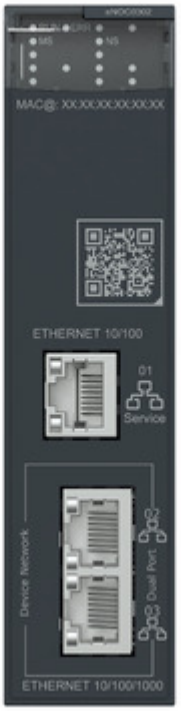


Image of product / Alternate images

Alternative






SN: 21YYWWnnnnn
PV: XX SV: XX RL: XX


Schneider
Electric
Modicon
BMENOC0302
M580 High Performance
Ethernet Module
DOM : XXXX



