

Product data sheet

Specifications



communication module, Modicon M580, global data service

BMXNGD0100

⚠ To be discontinued on: Dec 1, 2027

⚠ To be end-of-service on: Dec 31, 2035

⚠ To be discontinued

Main

Range of product	Modicon M580
Product or component type	Ethernet TCP/IP network module
Integrated connection type	Ethernet RJ45 10/100 Mbit/s 1 twisted pair
Protective treatment	TC

Complementary

Communication service	Global Data Modbus TCP messaging Security
Port Ethernet	10BASE-T/100BASE-TX
Memory description	Supplied Flash memory card (BMXRWSC016M)
Supply	Internal power supply via rack
Marking	CE
Local signalling	1 LED (green) for activity on Ethernet network (ETH ACT) 1 LED (green) for processor running (RUN) 1 LED (green) for status of Ethernet network (ETH STS) 1 LED (red) for data rate (ETH 100) 1 LED (red) for memory card fault (CARD ERR) 1 LED (red) for processor or system fault (ERR)
Control type	RESET push-button cold restart
Current consumption	90 mA at 24 V DC
Module format	Standard
Product weight	0.2 kg

Environment

Ambient air temperature for operation	0...60 °C
Relative humidity	10...95 % without condensation
IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility

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	12.0 cm
Package 1 Weight	236.0 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	3.9 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	113 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	16 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	96 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.4 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
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
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Use Again



Repack and remanufacture

Recyclability potential, in %	32
End of life manual availability	End of Life Information
Take-back	No

Image of product / Alternate images

Alternative





