

Product data sheet

Specifications



CANopen X80 Master

BMECXM0100

⚠ To be discontinued on: Dec 1, 2027

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

⚠ To be discontinued

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

Main

Range of Product	Modicon X80
Product or Component Type	CANopen communication module
Structure type	Open industrial fieldbus

Complementary

Product Compatibility	M580 PLC
Physical interface	DB9 connector
Method of access	CSMA/CA CANopen
Mode of Transmission	NRZ
Transmission support medium	CANopen twisted shielded pairs cable
Transmission rate	20 kbit/s, 8202.10 ft (2500 m) CANopen with repeater 50 kbit/s, 3280.8 ft (1000 m) with repeater 125 kbit/s, 1640.4 ft (500 m) with repeater 250 kbit/s, 820.2 ft (250 m) with repeater 500 kbit/s, 328.08 ft (100 m) without repeater 1 Mbit/s, 65.6 ft (20 m) without repeater
Number of server device(s)	63
Communication service	CiA DSP 301 V4.02
[Us] rated supply voltage	24 V DC internal
Current consumption	100 mA
Module format	Standard

Environment

Ambient Air Temperature for Operation	32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-49...185 °F (-45...85 °C)
Relative Humidity	10...95 % without condensation
Operating altitude	<= 6561.68 ft (2000 m)
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility

Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606485407142

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

Returnability	No
Country of origin	CA

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.126 in (5.400 cm)
Package 1 Width	4.528 in (11.500 cm)
Package 1 Length	4.764 in (12.100 cm)
Package weight(Lbs)	6.349 oz (180.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	7.176 lb(US) (3.255 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	120 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	12 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]	107 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 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	Free of 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
Circularity Profile	End of Life Information
Take-back	No

Image of product / Alternate images

Alternative





