

Product datasheet

Specifications



communication module, Modicon X80, CANopen, master, hardened

BMECXM0100H

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
Mode of transmission	NRZ
Transmission support medium	Profibus DP twisted shielded pairs cable
Transmission rate	9.6 kbit/s, 1200 m bus 19.2 kbit/s, 1200 m bus 93.75 kbit/s, 1200 m bus 187.5 kbit/s, 1000 m bus 500 kbit/s, 400 m bus 1.5 Mbit/s, 200 m bus 3 Mbit/s, 100 m bus 12 Mbit/s, 100 m bus
Number of server device(s)	63
Communication service	Implicit exchange of process data - 20...70 °C
Integrated connection type	Profibus DP - 1 SUB-D 9-pin female for Profibus DP
[Us] rated supply voltage	24 V DC internal
Current consumption	70 mA
Module format	Standard

Environment

Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-45...85 °C
Relative humidity	10...95 %
Operating altitude	<= 2000 m
Protective treatment	Conformal coating
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility 2014/34/EU - ATEX directive

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

Product certifications	CE UL CSA RCM EAC Merchant Navy ATEX zone 2/22 IECEX zone 2/22
Standards	EN/IEC 61131-2 EN/IEC 61010-2-201 UL 61010-2-201 CSA C22.2 No 61010-2-201 IACS E10 EN/IEC 61000-6-5, interface type 1 and type 2 EN/IEC 61850-3, location G EN/IEC 60079-0
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	5.500 cm
Package 1 Width	11.300 cm
Package 1 Length	11.800 cm
Package 1 Weight	194.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.234 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.eq.CO2 per CR, Total Life cycle)	121
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	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