

Schneider BME Series Service Manual

BMECXM0100H

1. Description

BMECXM0100H Main

3. Product Information

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, 3937.008 ft (1200 m)

19.2 kbit/s, 3937.008 ft (1200 m)

93.75 kbit/s, 3937.008 ft (1200 m)

187.5 kbit/s, 3280.8 ft (1000 m)

500 kbit/s, 1312.3 ft (400 m)

1.5 Mbit/s, 656.2 ft (200 m)

3 Mbit/s, 328.08 ft (100 m)

12 Mbit/s, 328.08 ft (100 m)

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 Profibus DP

[Us] rated supply voltage

24 V DC internal

Current consumption

70 mA

Module format

Standard

Environment

Ambient air temperature for operation

-13...158 °F (-25...70 °C)

Ambient Air Temperature for Storage

-49...185 °F (-45...85 °C)

Relative Humidity

10...95 %

Operating altitude

<= 6561.68 ft (2000 m)

Protective treatment

Conformal coating

Directives

2014/35/EU - low voltage directive

2014/30/EU - electromagnetic compatibility

2014/34/EU - ATEX directive

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 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

3606485407159

Returnability

No

Country of origin

CA

Packing Units

Unit Type of Package 1

PCE

Nbr. of units in pkg.

1

Package 1 Height

2.17 in (5.500 cm)

Package 1 Width

4.45 in (11.300 cm)

Package 1 Length

4.65 in (11.800 cm)

Package weight(Lbs)

6.843 oz (194.000 g)

Unit Type of Package 2

S02

Number of Units in Package 2

15

Package 2 Height

5.91 in (15.000 cm)

Package 2 Width

11.81 in (30.000 cm)

Package 2 Length

15.75 in (40.000 cm)

Package 2 Weight

7.130 lb(US) (3.234 kg)