

Schneider BME Series Service Manual

BMXSDO0802

1. Description

safety discrete output module, Modicon X80, 8 outputs, 24V DC positive

3. Product Information

safety discrete output module, Modicon X80, 8 outputs, 24V DC positive

BMXSDO0802

Main

Range of Product

Modicon X80

Product or Component Type

Discrete output module

Discrete output number

8 EN/IEC 61131-2

Discrete output type

Solid state

Not isolated

Discrete output logic

Positive

Discrete output voltage

24 V 19...30 V DC

Discrete output current

0.5 A

Output compatibility

Not IEC 61131-2 DC input

IEC 61131-2 type 3 DC input

Complementary

Current per channel

0.625 A

Maximum current per module

10 A

Maximum leakage current

0.5 mA at state 0

Maximum voltage drop

<1.2 V at state 1

Insulation resistance

> 10 MOhm 500 V DC

Power dissipation in W

4.4 W

Response time on output

1.2 ms

Paralleling of outputs

Yes : 2 maximum

Typical current consumption

264 mA 3.3 V DC

15 mA 24 V

MTBF reliability

383000 H

Protection type

reverse polarity protection

overload protection

overvoltage protection

short-circuit protection

Output overload protection

With current limiter

With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$

Output overvoltage protection

With transil diode

Output short-circuit protection

With 2 A external fuse

Reverse polarity protection

Reverse mounted diode

Voltage detection threshold

< 14 V DC sensor fault

> 18 V DC sensor OK

Maximum tungsten load

6 W

Switching frequency

0.5/LI² Hz

Load impedance ohmic

>= 48 Ohm

Status LED

1 LED (Green) module operating (RUN)

1 LED per channel (Green) channel diagnostic

1 LED (Red) module error (ERR)

1 LED (Red) module I/O

Product Weight

0.26 lb(US) (0.12 kg)

Environment

IP Degree of Protection

IP20

Environmental characteristic

Gas resistant class Gx

Gas resistant class 3C4

Dust resistant class 3S4

Sand resistant class 3S4

Salt resistant level 2

Mold growth resistant class 3B2

Fungal spore resistant class 3B2

Dielectric strength

1500 V AC 50/60 Hz 1 minute, output/ground

1500 V AC 50/60 Hz 1 minute, output/internal logic

Vibration resistance

3 gn

Shock resistance

15 gn

Ambient Air Temperature for Storage

-40...185 °F (-40...85 °C)

Ambient Air Temperature for Operation

-13...140 °F (-25...60 °C)

Relative humidity

5...95 % 131 °F (55 °C) without condensation

Protective treatment

Conformal coating

Operating altitude

0...6561.68 ft (0...2000 m)

2000...5000 m with derating factor

Ordering and shipping details

Category

US1PC3418161

Discount Schedule

PC34

GTIN

3606481204929

Returnability

Yes

Country of origin

FR

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
7.09 in (18.000 cm)
Package 1 Length
10.24 in (26.000 cm)
Package weight(Lbs)
12.028 oz (341.000 g)
Unit Type of Package 2
S03
Number of Units in Package 2
8
Package 2 Height
11.81 in (30.000 cm)
Package 2 Width
11.81 in (30.000 cm)
Package 2 Length
15.75 in (40.000 cm)
Package 2 Weight
7.385 lb(US) (3.350 kg)