

Schneider BMXDDO1602 Manual

Brand	Schneider
Product Series	Sheet1
Product Type	Discrete output module

Description

BMXDDO1602 discrete output module X80 - 16
outputs - 24 V DC positive

Main

Range of product Modicon X80

Product or component type Discrete output module

Discrete output number 16 conforming to IEC 61131-2

Discrete output type Solid state

Discrete output logic Positive

Discrete output voltage 24 V 19...30 V DC

Discrete output current 0.5 A

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 W

Response time on output 1.2 ms

Paralleling of outputs Yes : 2 maximum

Typical current consumption 79 mA at 3.3 V DC

MTBF reliability 410000 H

Protection type External fuse reverse polarity protection

short-circuit protection

overload protection

overvoltage protection

Output overload protection With electronic circuit breaker $1.5 I_n < I_d < 2 I_n$

With current limiter

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 preactuator fault

> 18 V DC preactuator at state 0

Maximum tungsten load 6 W

Switching frequency $0.5/LI^2$ 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

Net weight 0.12 kg

Environment

IP degree of protection IP20

Directives 2014/35/EU - low voltage directive

2014/30/EU - electromagnetic compatibility

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

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

Vibration resistance 3 gn

Shock resistance 30 gn

Ambient air temperature for
storage

-40...85 °C

Ambient air temperature for
operation

0...60 °C

Relative humidity 5...95 % at 55 °C without condensation

Operating altitude 0...2000 m

2000...5000 m with derating factor

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Height 5.600 cm

Package 1 Width 11.000 cm

Package 1 Length 12.000 cm

Package 1 Weight 145.000 g

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