

Schneider Service Manual

BMXDDO1602

1. Description

BMXDDO1602 discrete output module X80 - 16

3. Product Information

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