Product datasheet

Specifications

Discrete output module, Modicon X80, 32 transistor outputs, 12/24V DC

BMXDDO3202

EAN Code: 3606482177963

Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	32 conforming to IEC 61131-2
Discrete output type	Solid state
Discrete output logic	Positive
Discrete output voltage	12...24 V 10.8...30 V DC
Discrete output current	0.5 A

Complementary

Current per channel	0.55 A
Maximum current per module	17.6 A
Maximum leakage current	0.1 mA at state 0
Maximum voltage drop	<1.2 V at state 1
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	4.8 W
Response time on output	0.3 ms
Paralleling of outputs	Yes : 3 maximum
Typical current consumption	56 mA at 3.3 V DC
MTBF reliability	833000 H
Protection type	External fuse reverse polarity protection short-circuit protection overload protection overvoltage protection
Output overload protection	With electronic circuit breaker 1.5 In < Id < 2 In With current limiter
Output overvoltage protection	With transil diode
Output short-circuit protection	With 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 24 V 3 W 12 V
Switching frequency	0.5/LI² Hz
Load impedance ohmic	> 54.54 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	142.01 g

Environment

IP degree of protection	IP20
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1780 V AC at 50/60 Hz 1 minute, output/ground 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
Protective treatment	Standard version
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	6.000 cm
Package 1 Width	18.000 cm
Package 1 Length	26.500 cm
Package 1 Weight	305.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.908 kg

Logistical informations

Country of origin	ID

Contractual warranty

Warranty (in months)	18

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

Total lifecycle Carbon footprint	**32 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**18 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0.3 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**14 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.4 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging made with recycled cardboard	**Yes**

Use Longer

Lifetime extension

Repair	**No**

Use Again

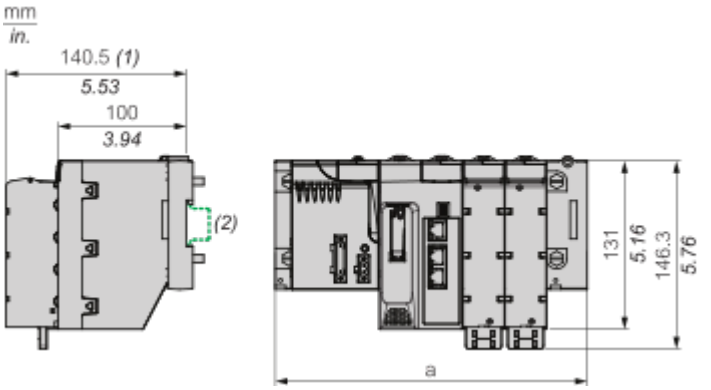
Repack and remanufacture

Recyclability potential, in %	**0**
End of life manual availability	**End of Life Information**
Take-back	**No**

Dimensions Drawings

Modules Mounted on Racks

Dimensions



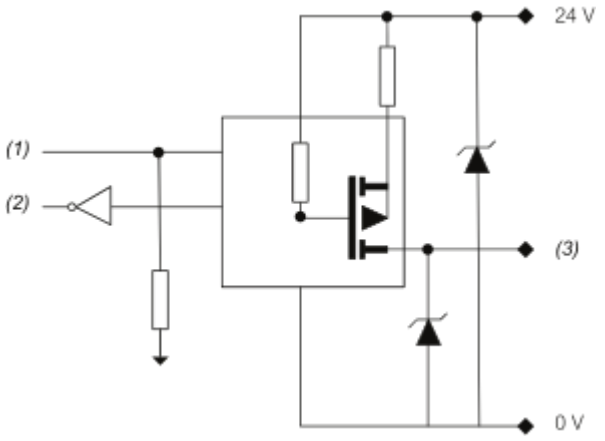
(1) With removable terminal block (cage, screw or spring).
(2) On AM1 ED rail: 35 mm wide, 15 mm deep.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	9.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200and BMXXBP1200H	503.2	19.81
BMEXBP0400 and BMEXBP0400H	242.4	9.54
BMEXBP0800 and BMEXBP0800H	372.8	14.68
BMEXBP1200 and BMEXBP1200H	503.2	19.81
BMEXBP0602 and BMEXBP0602H	375.8	14.8
BMEXBP1002 and BMEXBP1002H	506.2	19.93

Connections and Schema

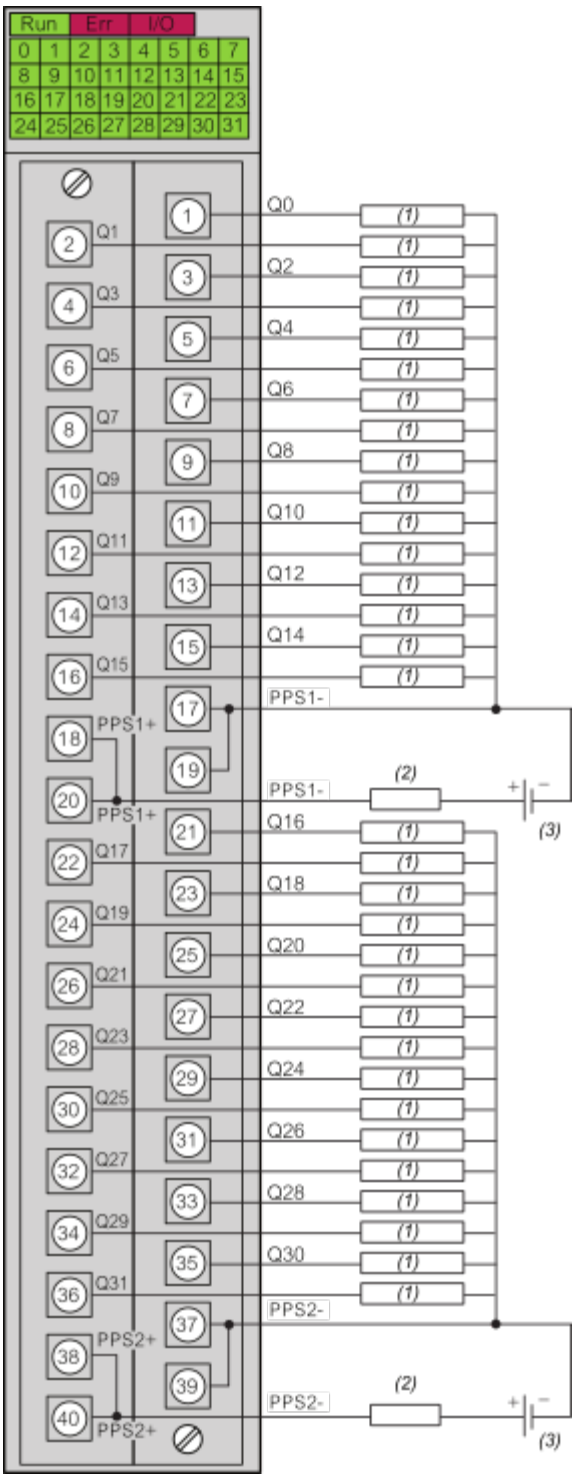
Connecting the Module

Output Circuit Diagram



(1) Command
(2) Detected Error
(3) Output

Module Connection



(1) Pre-actuator
(2) Fast blow fuse for each 16-channel group. The fuse rating adjusted according to the load
(3) Pre-actuator power supply (PPSn) 12 VDC/24 VDC

Image of product / Alternate images

Alternative


Schneider
Electric
Modicon
BMXDDO3202
DIG 32Q 12/24VDC
TRANS SOURCE 0.5A TB
DOM : XXXX


SN:XXXXXXXXXXX
PV:XX
RL:XX