

Product data sheet

Specifications



discrete output module, Modicon X80, 64 transistor outputs, 24V DC positive, conformal coating

BMXDDO6402KC

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Modicon X80
Product or Component Type	Discrete output module
Discrete output logic	Positive

Complementary

Response time on output	1.2 ms
Insulation resistance	> 10 MOhm 500 V DC
Current per channel	0.125 A
Maximum current per module	6.4 A
Paralleling of outputs	Yes : 3 maximum
Switching frequency	0.5/LI² Hz
Maximum overload time	15 ms
Load impedance ohmic	>= 220 Ohm
Reverse polarity protection	Reverse mounted diode
MTBF reliability	150000 H
Protection type	reverse polarity protection External short-circuit protection overload protection overvoltage protection
Voltage detection threshold	< 14 V DC preactuator fault > 18 V DC preactuator at state 0
Product Weight	0.33 lb(US) (0.15 kg)

Environment

IP Degree of Protection	IP20
Protective treatment	Conformal coating
Directives	2014/35/EU - low voltage directive 2014/30/EU - electromagnetic compatibility
Dielectric strength	1500 V AC 50/60 Hz 1 minute, output/ground 1500 V AC 50/60 Hz 1 minute, output/internal logic 500 V DC 1 minute, between group of channels
Relative humidity	5...95 % 32...140 °F (0...60 °C) without condensation

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
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Ordering and shipping details

Category	US1PC3418160
Discount Schedule	PC34
GTIN	3606480927836
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.2 in (5.5 cm)
Package 1 Width	4.7 in (12.0 cm)
Package 1 Length	4.3 in (11.0 cm)
Package weight(Lbs)	8.08 oz (229.2 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	11.8 in (30.0 cm)
Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	6.06 lb(US) (2.75 kg)

Contractual warranty

Warranty (in months)	18
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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	57 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	29 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	27 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
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Longer



Lifetime extension

Repair	No
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Use Again



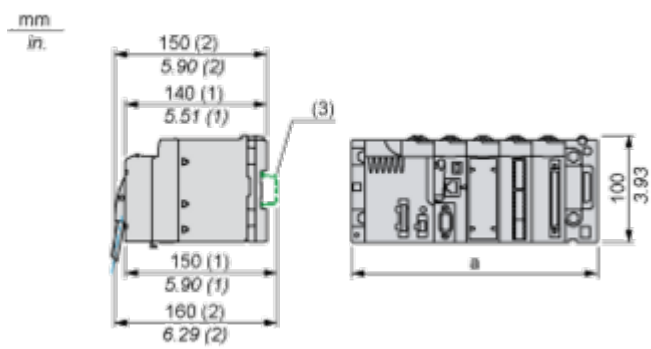
Repack and remanufacture

Recyclability potential, in %	3
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Modules Mounted on Racks

Dimensions



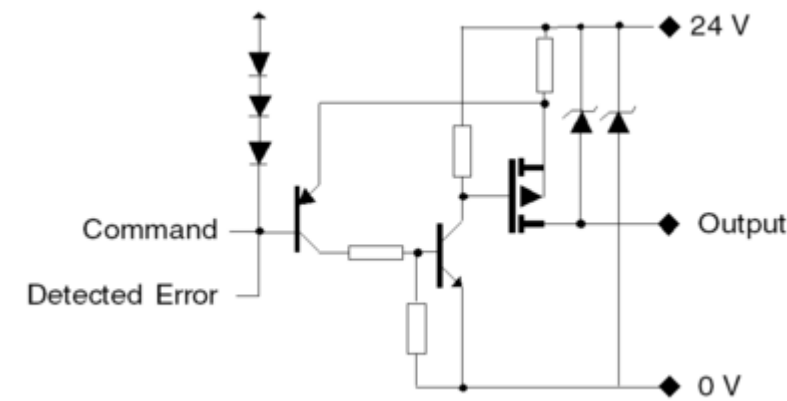
- (1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

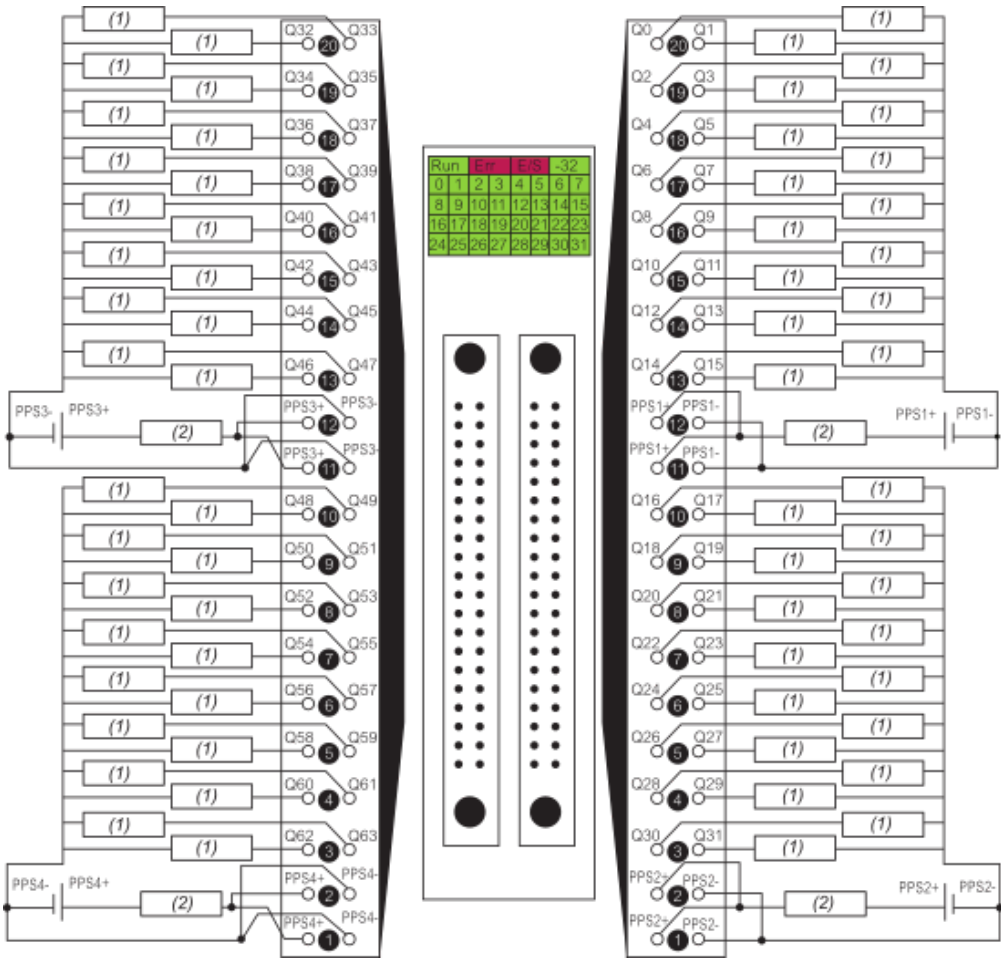
Connections and Schema

Connecting the Module

Output Circuit Diagram



Module Connection



(1) pre-actuator
(2) fuse: fast blow fuse of 2 A for each 16-channel group
power supply 24 VDC
PPS pre-actuator power supply

Image of product / Alternate images

Alternative

