Product data sheet
Characteristics

BMXDRA0805
discrete output module X80 - 8 outputs - relay - 24..240 V AC

Green Premium

Product availability: Stock - Normally stocked in distribution facility



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Discrete output number	8 conforming to EN/IEC 61131-2
Discrete output type	Relay
Discrete output voltage	24...240 V 19...264 V AC 12...24 V 10...34 V DC

Complementary

[Ith] conventional free air thermal current	3 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	<= 2.7 W
Response time on output	< 8 ms deactivation < 10 ms activation
Typical current consumption	79 mA at 3.3 V DC
MTBF reliability	2119902 H
Output overload protection	Use 1 fast blow fuse per channel or group of channel
Output overvoltage protection	Use discharge diode on each output DC Use RC circuit on each output AC Use ZNO surge limiter on each output AC
Output short-circuit protection	Use 1 fast blow fuse per channel or group of channel
Minimum switching current	10 mA 5 V DC
Electrical durability	5000000 cycles AC-15 10 VA 48 V 0.35 1000000 cycles AC-12 50 VA 48 V 1000000 cycles DC-12 24 W 24 V 1000000 cycles DC-13 24 W 24 V 2000000 cycles AC-15 24 VA 48 V 0.35 2000000 cycles DC-13 10 W 24 V 300000 cycles DC-12 40 W 24 V 500000 cycles AC-12 110 VA 48 V 500000 cycles AC-15 24 VA 24 V 0.35 700000 cycles AC-12 50 VA 24 V 100000 cycles AC-15 220 VA 200...240 V 0.35 1000000 cycles AC-12 110 VA 110...120 V 1000000 cycles AC-12 220 VA 200...240 V 1000000 cycles AC-15 110 VA 200...240 V 0.35 10000000 cycles AC-15 10 VA 110...120 V 0.35 10000000 cycles AC-15 10 VA 200...240 V 0.35 150000 cycles AC-15 110 VA 110...120 V 0.35 1500000 cycles AC-15 50 VA 110...120 V 0.35 3000000 cycles AC-15 50 VA 200...240 V 0.35 500000 cycles AC-12 220 VA 110...120 V
Status LED	1 LED green module operating (RUN) 1 LED per channel green channel diagnostic 1 LED red module I/O 1 LED red module error (ERR)
Product weight	0.32 lb(US) (0.145 kg)

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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Environment

IP degree of protection	IP20
Directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
Product certifications	CE CSA UL RCM Merchant Navy EAC
Standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201
Dielectric strength	2000 V AC at 50/60 Hz 1 min
Vibration resistance	3 gn
Shock resistance	30 gn
Ambient air temperature for storage	-40...185 °F (-40...85 °C)
Ambient air temperature for operation	32...140 °F (0...60 °C)
Relative humidity	5...95 % without condensation 131 °F (55 °C)
Protective treatment	TC
Operating altitude	0...6561.68 ft (0...2000 m) 2000...5000 m (with derating factor)

Ordering and shipping details

Category	18160 - MODICON M340
Discount Schedule	PC34
GTIN	00785901501671
Nbr. of units in pkg.	1
Package weight(Lbs)	0.40000000000000002
Returnability	Y
Country of origin	FR

Offer Sustainability

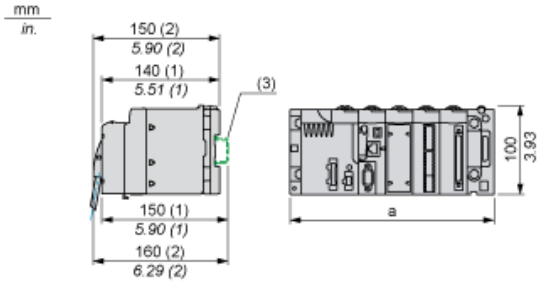
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available Product Environmental Profile
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

Modules Mounted on Racks

Dimensions

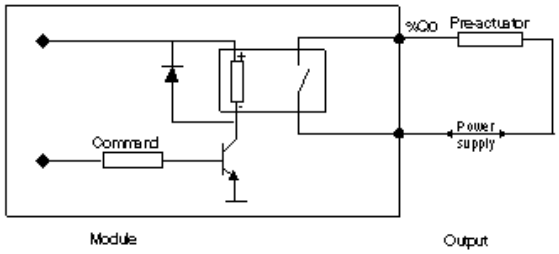


(1) With removable terminal block (cage, screw or spring).
(2) With FCN connector.
(3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

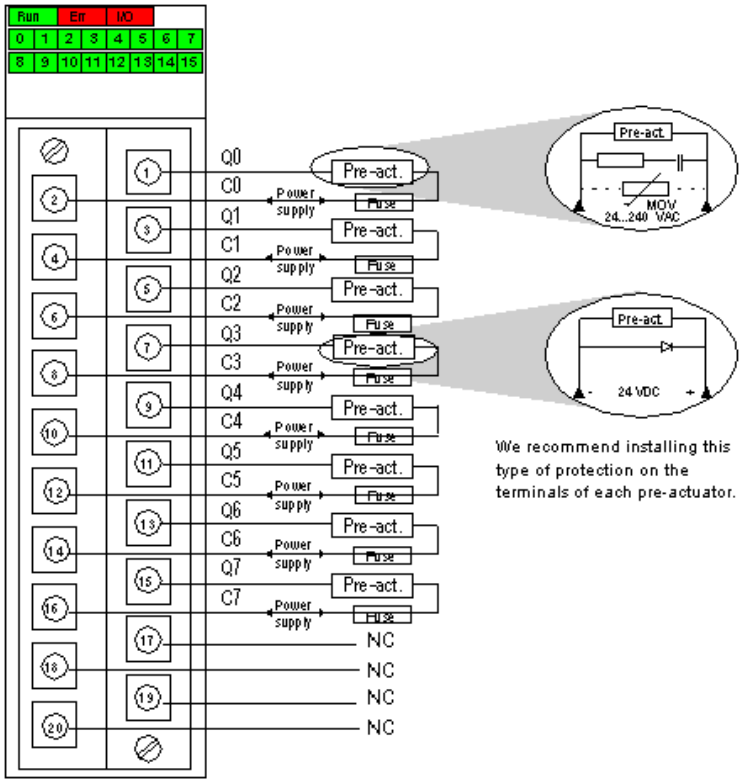
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power supply: 24 VDC or 24...240 VAC
fuse: 1 fast blow fuse of 3 A for each relay
NC: not connected