

BMXDRA0804T

discrete output module M340 - 8 outputs - 100...150 V DC



Main

Range of product	Modicon X80
Product or component type	Discrete output module
Product specific application	Extended temperature
Discrete output number	8 conforming to EN/IEC 61131-2
Discrete output type	Relay
Discrete output voltage	100...150 V 100...150 V DC

Complementary

[I _{th}] conventional free air thermal current	0.3 A
Insulation resistance	> 10 MOhm 500 V DC
Power dissipation in W	<= 3.17 W
Response time on output	< 10 ms activation < 10 ms deactivation
Typical current consumption	61 mA at 3.3 V DC 104 mA at 24 V DC
Current consumption	<= 112 mA at 3.3 V DC <= 117 mA at 24 V DC
Protection type	External short-circuit protection External overload protection 0.5 A Overvoltage protection, inductive AC network Overvoltage protection, inductive DC network
Output overload protection	Use 1 fast blow fuse per channel or group of channel
Output overvoltage protection	Use discharge diode on each output DC
Output short-circuit protection	Use 1 fast blow fuse per channel or group of channel
Minimum switching current	1 mA 5 V DC
Mechanical durability	2000000 cycles
Electrical durability	100000 cycles DC-12 37 W 125 V 100000 cycles DC-13 12 W 125 V
Status LED	1 LED red for module error (ERR) 1 LED green for module operating (RUN) 1 LED per channel green for channel diagnostic 1 LED red for module I/O
Product weight	0.145 kg

Environment

directives	2012/19/EU - WEEE directive 2014/30/EU - electromagnetic compatibility 2014/35/EU - low voltage directive
IP degree of protection	IP20
product certifications	CE CSA UL RCM Merchant Navy EAC

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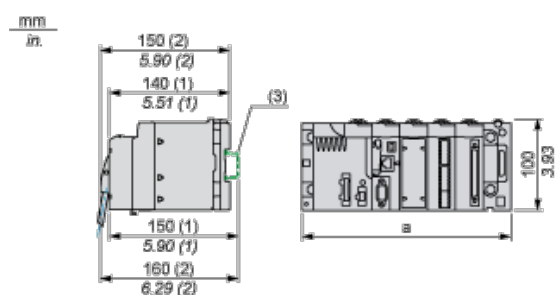
standards	EN 61000-6-2 EN 61000-6-4 EN 61131-2 EN 61010-2-201
dielectric strength	2000 V AC at 50/60 Hz 1 min
vibration resistance	3 gn
shock resistance	30 gn
ambient air temperature for storage	-40...85 °C
ambient air temperature for operation	-25...70 °C
relative humidity	5...95 % without condensation 55 °C
protective treatment	TC
operating altitude	0...2000 m 2000...5000 m (with derating factor)

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0901 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Modules Mounted on Racks

Dimensions

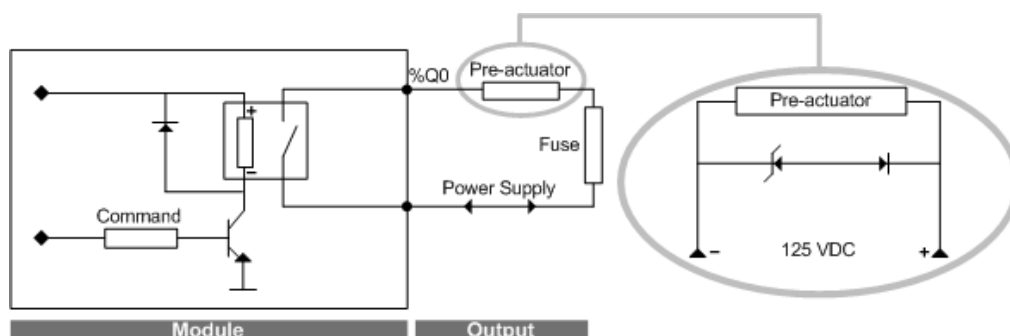


- (1) With removable terminal block (cage, screw or spring).
- (2) With FCN connector.
- (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

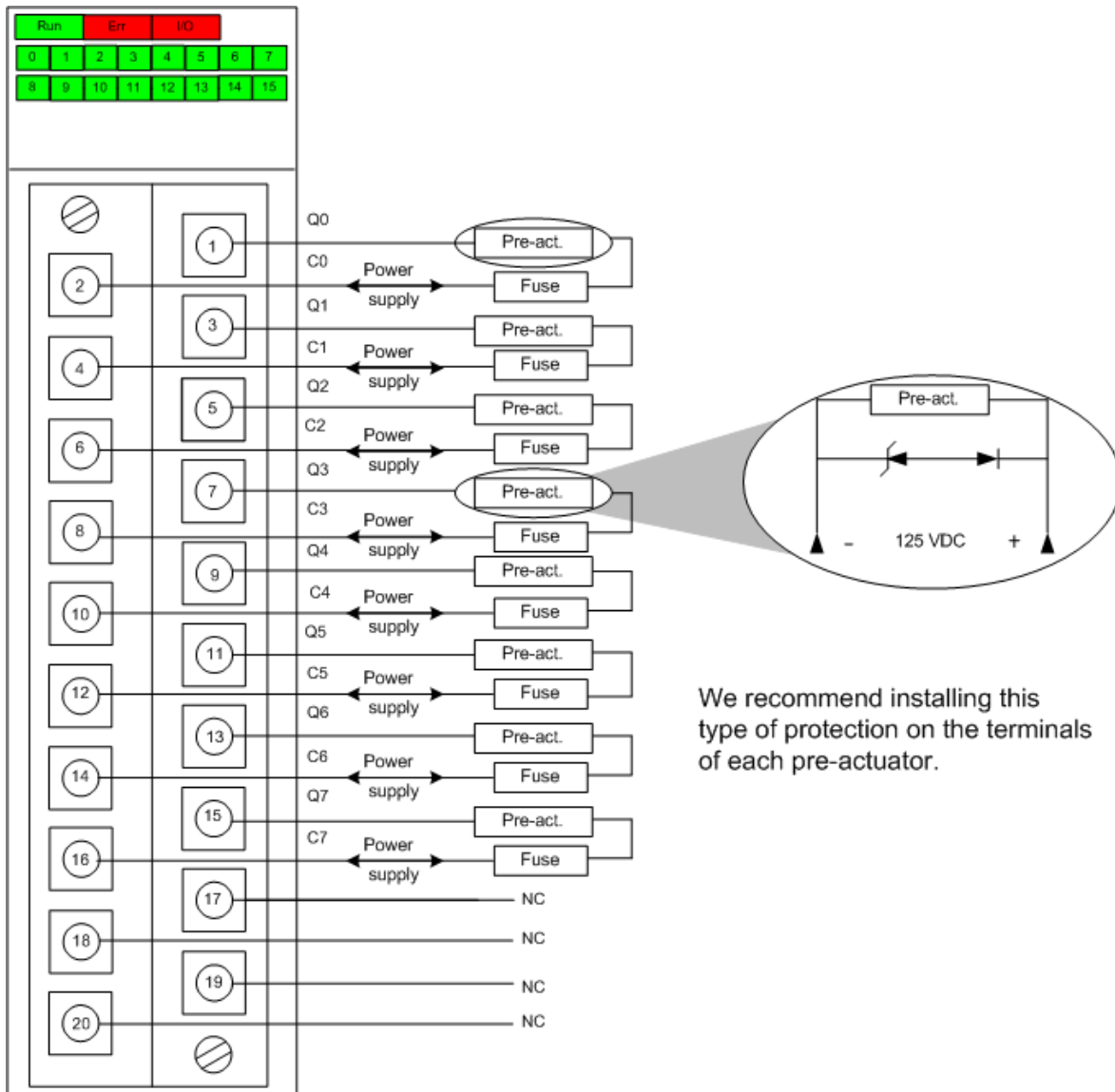
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



power 125 VDC (100...150 VDC)

supply

fuse 1 fast blow fuse of 0.5 A, 250 VDC for each relay

NC not connected

NOTE: A Zener Diode voltage of 47 V or slightly higher is recommended.