



Main

Range of product	Modicon M340 automation platform
Product or component type	Discrete output module
Product specific application	Extended temperature
Electrical connection	20-way connector
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 deactivation < 10 ms activation
Typical current consumption	104 mA at 24 V DC 61 mA at 3.3 V DC
Current consumption	<= 117 mA at 24 V DC <= 112 mA at 3.3 V DC
Protection type	External overload protection 0.5 A External short-circuit protection DC inductive overvoltage protection AC inductive overvoltage protection
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	>= 20000000 cycles
Electrical durability	>= 100000 cycles DC-13 12 W 125 V >= 100000 cycles DC-12 37 W 125 V
Status LED	1 LED red for module I/O 1 LED red for module error (ERR) 1 LED per channel green for channel diagnostic 1 LED green for module operating (RUN)
Product weight	0.145 kg

Environment

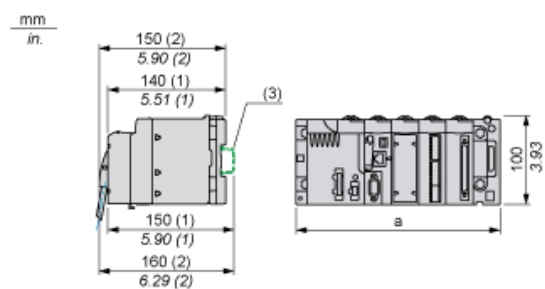
IP degree of protection	IP20
Standards	CSA C22.2 No 142 IEC 1131-2 IEC 664 NF C 63-850 UL 508 UL 746C
Dielectric strength	2000 V AC at 50/60 Hz 1 min
Ambient air temperature for operation	-25...70 °C
Relative humidity	10...95 % without condensation
Protective treatment	TC

Offer Sustainability

Sustainable offer status	Not 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 Download Product Environmental

Modules Mounted on Racks

Dimensions

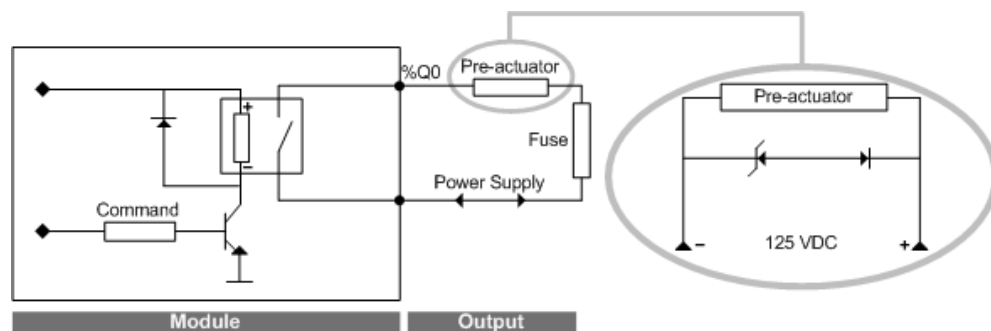


- (1) With removable terminal block (cage, screw or spring).
 (2) With FCN connector.
 (3) On AM1 ED rail: 35 mm wide, 15 mm deep. Only possible with BMXXBP0400/0400H/0600/0600H/0800/0800H rack.

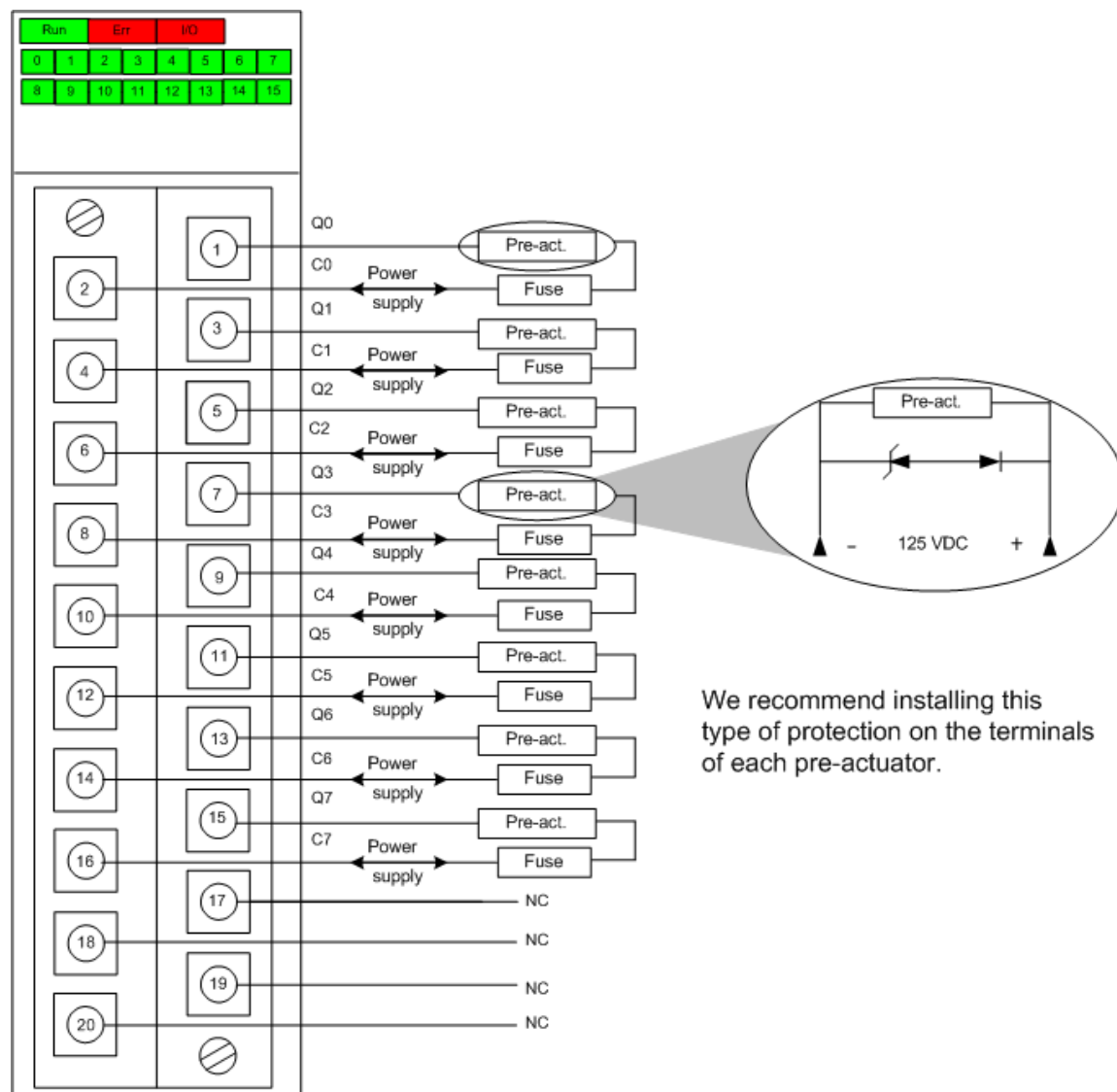
Rack references	a in mm	a in in.
BMXXBP0400 and BMXXBP0400H	242.4	09.54
BMXXBP0600 and BMXXBP0600H	307.6	12.11
BMXXBP0800 and BMXXBP0800H	372.8	14.68
BMXXBP1200 and BMXXBP1200H	503.2	19.81

Connecting the Module

Output Circuit Diagram



Module Connection



We recommend installing this type of protection on the terminals of each pre-actuator.

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.