



Description

Power-One's high power modular products can be configured to provide up to 21 outputs in over 10 million voltage and current combinations. Eighteen chassis are available from 1000 to 4000 watts; including power factor corrected, three-phase input, and metric mounting hardware models. Over 90 output modules are available to provide voltages from 1 to 48VDC. Output modules have a field demonstrated MTBF of greater than 5 million hours. Other features include a comprehensive array of module and system interface signals, extensive input transient protection, and international regulatory agency approvals. These high-performance products have a proven track record in high reliability communications, semiconductor test,, and industrial applications.

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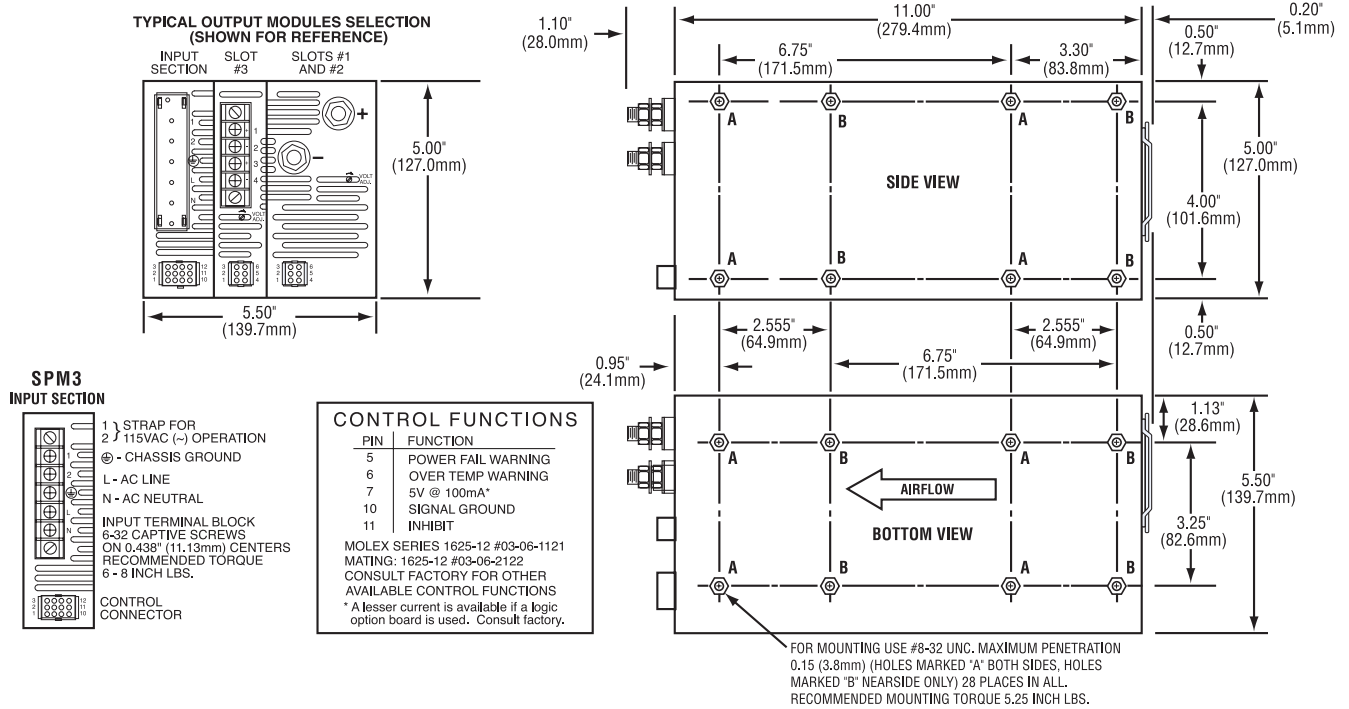
Modular High Power Products Data Sheet (This may be downloaded from www.power-one.com by using the AC-DC Configurable Modular Link.)

NUCLEAR AND MEDICAL APPLICATIONS - Power-One products are not designed, intended for use in, or authorized for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems without the express written consent of the respective divisional president of Power-One, Inc.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.

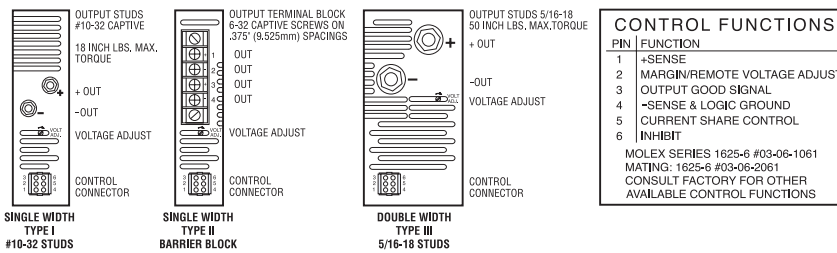
OVERALL SIZE: 11.00" x 5.50" x 5.00" (279.4mm x 139.7mm x 127.0mm)

WEIGHT: 10.0 lb (4.50 kg)



OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS

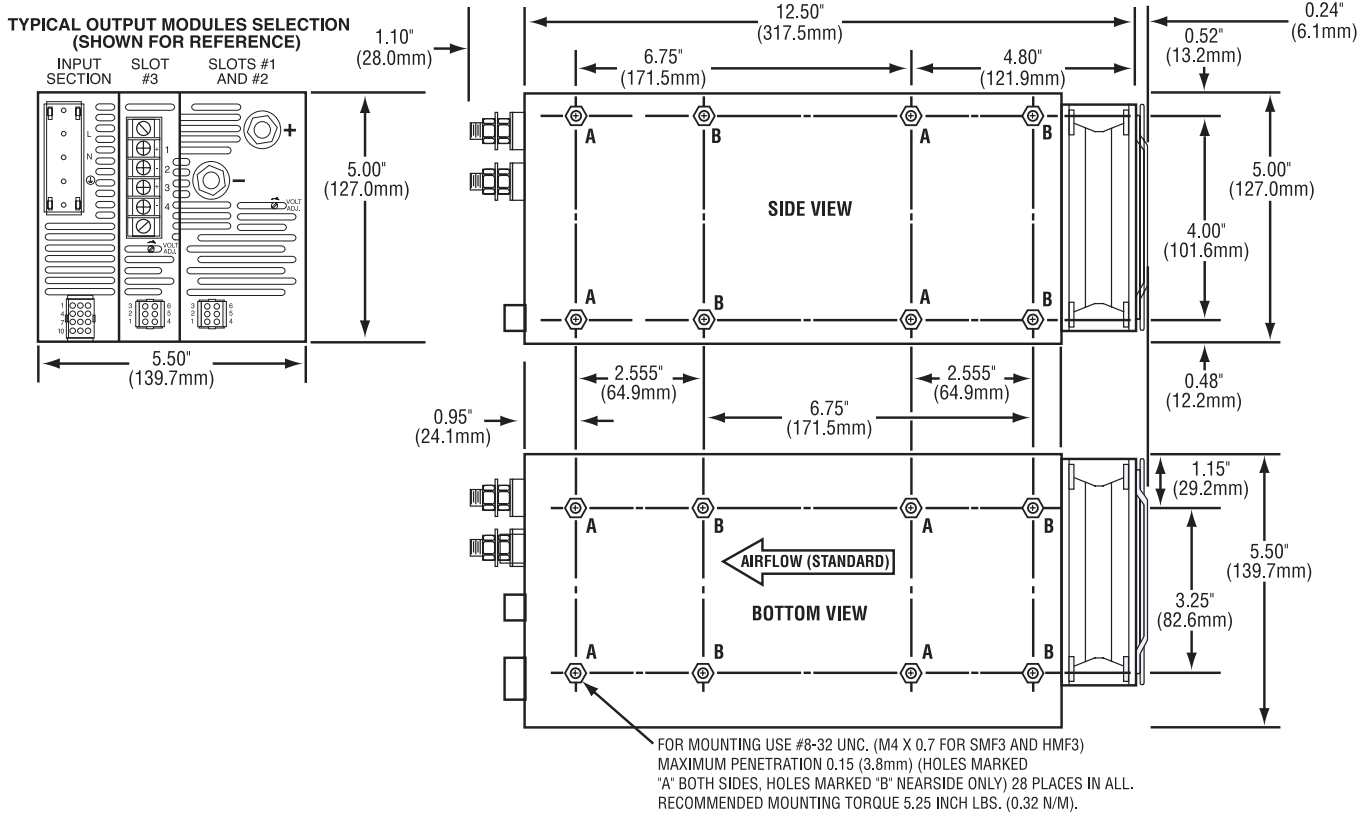
OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



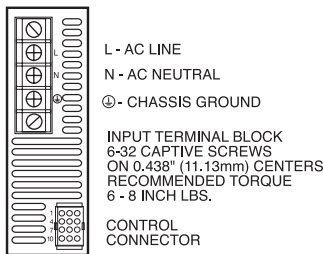
*Metric mounting chassis meet all specifications of non-metric models.

OVERALL SIZE: 12.50" x 5.50" x 5.00" (317.5mm x 139.7mm x 127.0mm)

WEIGHT: 12.5 lb (5.70 kg)



**SPF3/SMF3
HPF3/HMF3
INPUT SECTION**

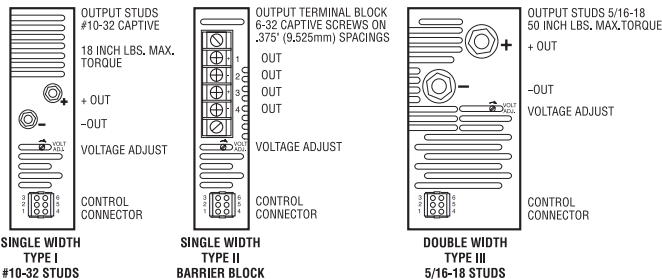


CONTROL FUNCTIONS

PIN	FUNCTION
5	POWER FAIL WARNING
6	OVER TEMP WARNING
7	5V @ 100mA*
10	SIGNAL GROUND
11	INHIBIT

MOLEX SERIES 1625-12 #03-06-1121
MATING: 1625-12 #03-06-2122
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS
* A lesser current is available if a logic option board is used. Consult factory.

OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



CONTROL FUNCTIONS

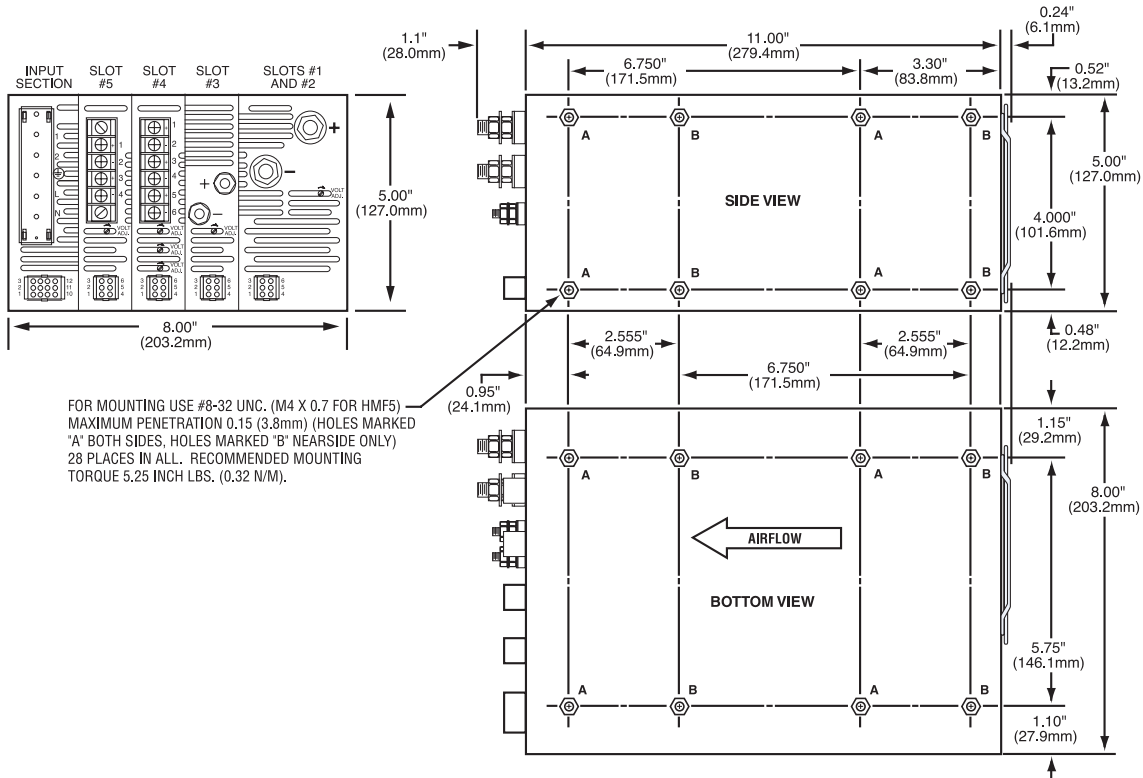
PIN	FUNCTION
1	+SENSE
2	MARGIN/REMOTE VOLTAGE ADJUST
3	OUTPUT GOOD SIGNAL
4	-SENSE & LOGIC GROUND
5	CURRENT SHARE CONTROL
6	INHIBIT

MOLEX SERIES 1625-6 #03-06-1061
MATING: 1625-6 #03-06-2061
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS

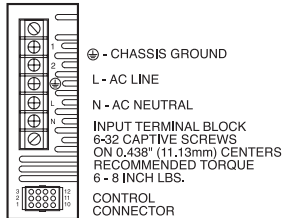
* Metric mounting chassis meet all specifications of non-metric models.

OVERALL SIZE: 11.00" x 8.00" x 5.00" (279.4mm x 203.2mm x 127.0mm)

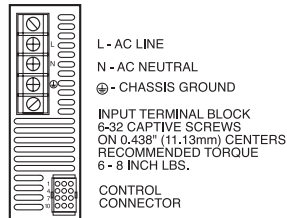
WEIGHT: 15.0 lb (6.75 kg)



**SPM5/HPM5
INPUT SECTION**



**HPF5/HMF5
INPUT SECTION**

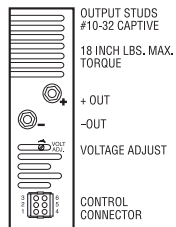


CONTROL FUNCTIONS

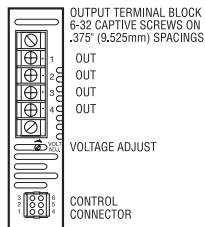
PIN	FUNCTION
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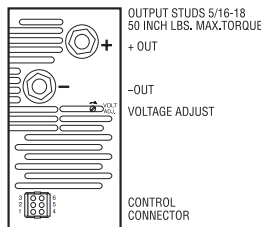
OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



**SINGLE WIDTH
TYPE I
#10-32 STUDS**



**SINGLE WIDTH
TYPE II
BARRIER BLOCK**



**DOUBLE WIDTH
TYPE III
5/16-18 STUDS**

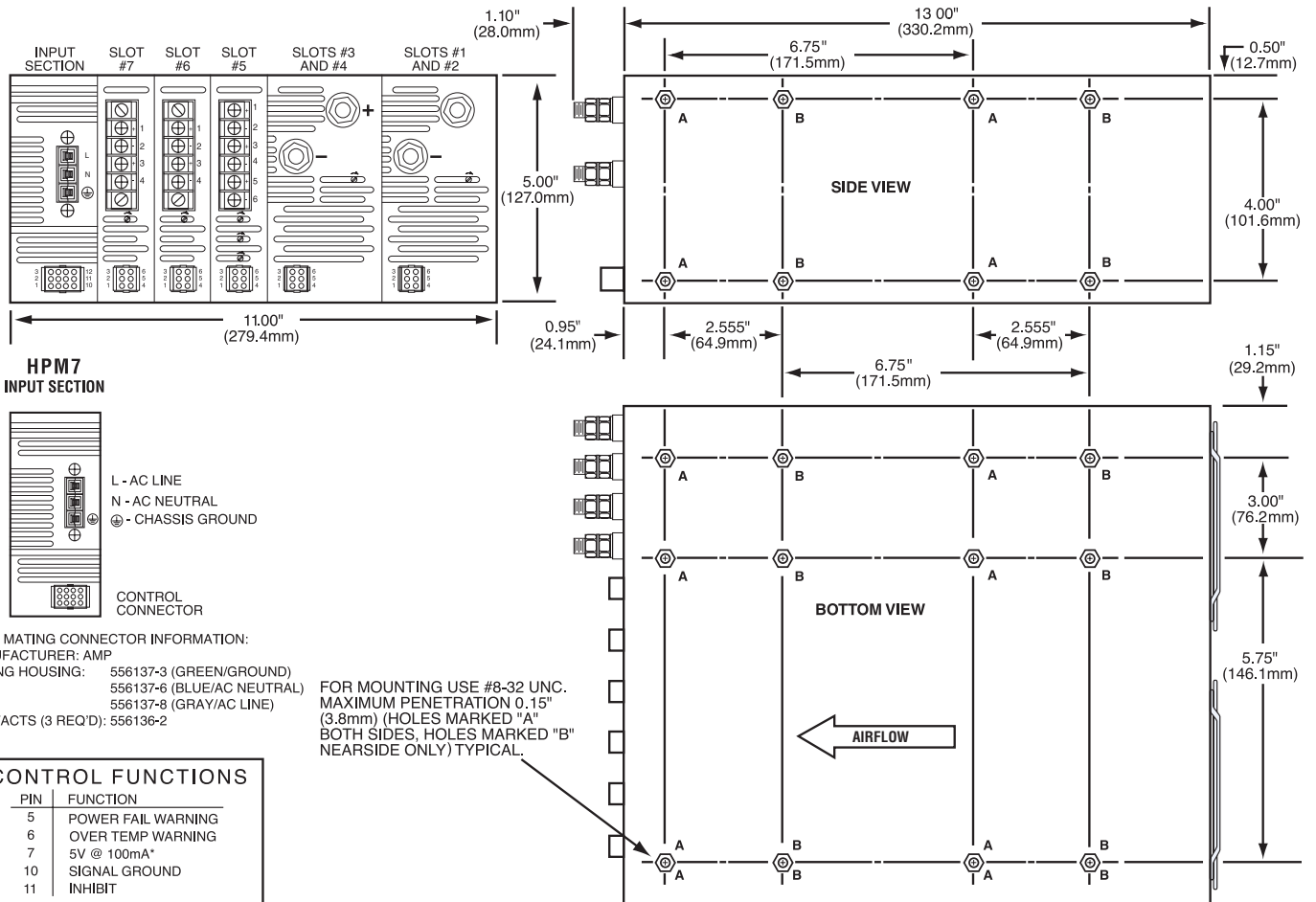
CONTROL FUNCTIONS

PIN	FUNCTION
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MOLEX SERIES 1625-6 #03-06-1061
MATING: 1625-6 #03-06-2061
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS

*Metric mounting chassis meet all specifications of non-metric models.

**OVERALL SIZE: 13.00" x 11.00" x 5.00" (330.2mm x 279.4mm x 127.0mm)
WEIGHT: 21.0 LBS (9.60 kg)**



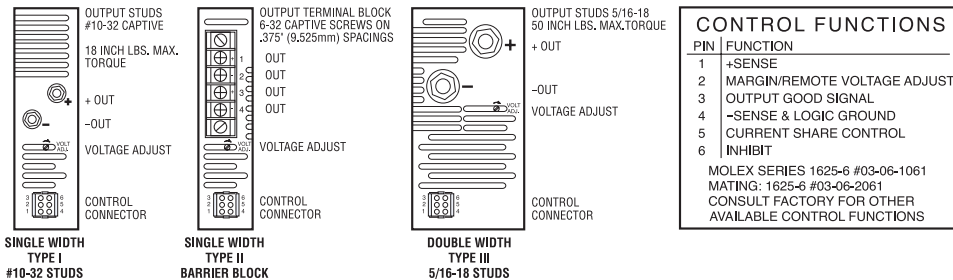
HPM7 MATING CONNECTOR INFORMATION:
MANUFACTURER: AMP
MATING HOUSING: 556137-3 (GREEN/GROUND)
556137-6 (BLUE/AC NEUTRAL)
556137-8 (GRAY/AC LINE)
CONTACTS (3 REQ'D): 556136-2

CONTROL FUNCTIONS

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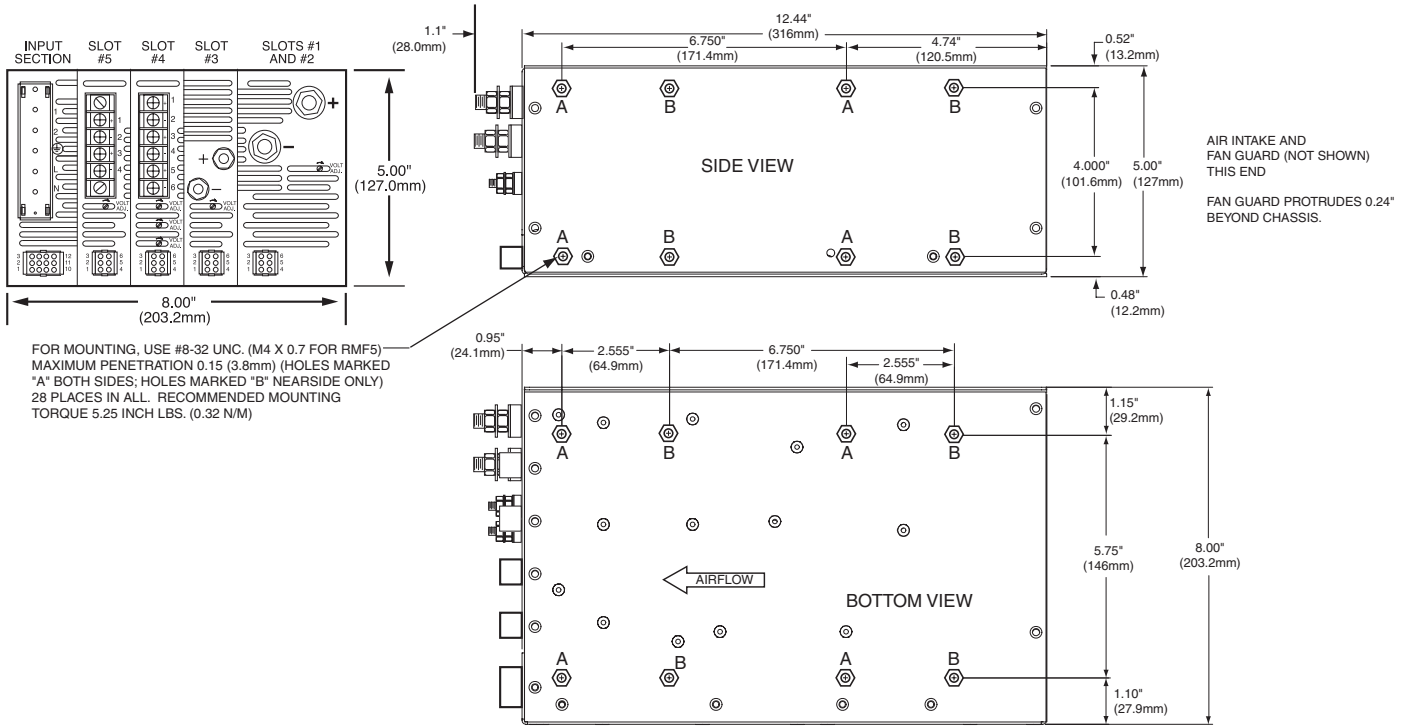
OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



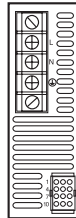
* Metric mounting chassis meet all specifications of non-metric models.

OVERALL SIZE: 12.44" x 8.00" x 5.00" (316.0mm x 203.2mm x 127.0mm)

WEIGHT: 21.0 lb (9.60 kg)



**RPF5/RMF5
INPUT SECTION**



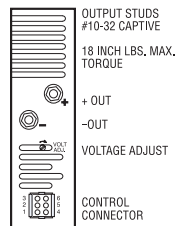
L - AC LINE
N - AC NEUTRAL
⊕ - CHASSIS GROUND
INPUT TERMINAL BLOCK
6-32 CAPTIVE SCREWS
ON 0.438" (11.13mm) CENTERS
RECOMMENDED TORQUE
6 - 8 INCH LBS.
CONTROL CONNECTOR

CONTROL FUNCTIONS

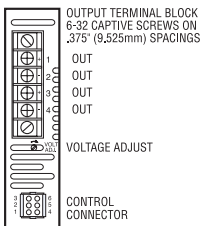
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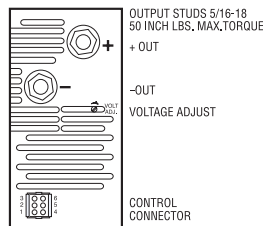
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TYPE I
#10-32 STUDS**



**SINGLE WIDTH
TYPE II
BARRIER BLOCK**



**DOUBLE WIDTH
TYPE III
5/16-18 STUDS**

CONTROL FUNCTIONS

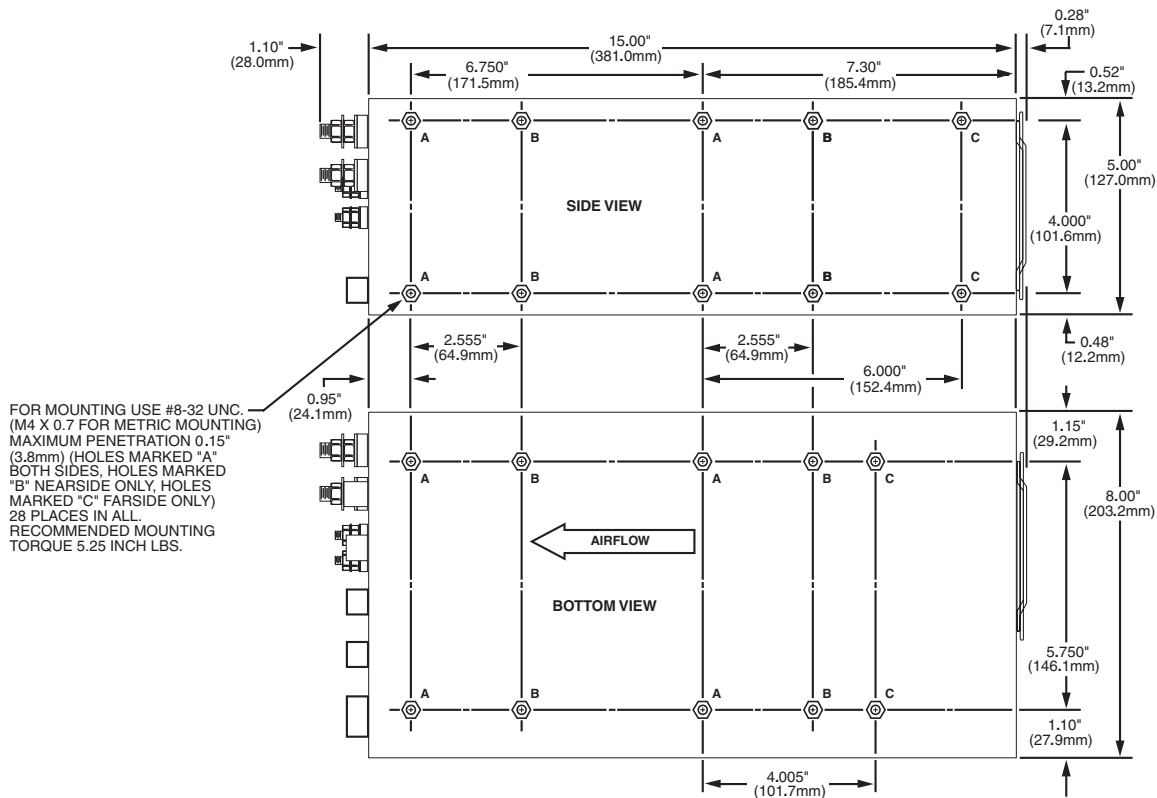
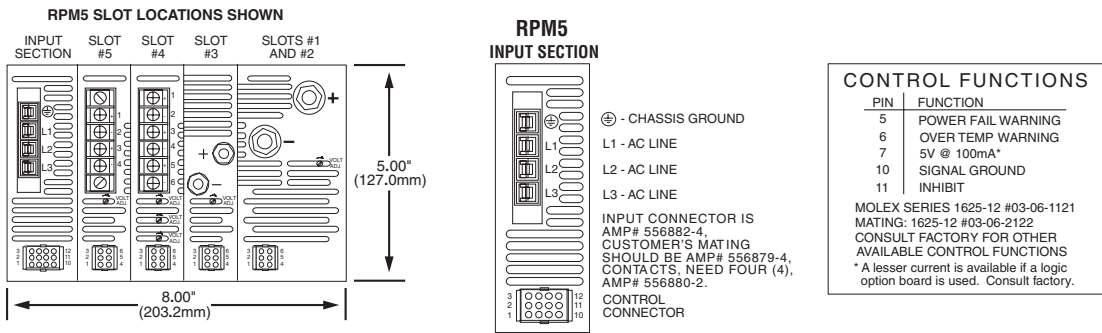
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MATING: 1625-6 #03-06-2061
CONSULT FACTORY FOR OTHER AVAILABLE CONTROL FUNCTIONS

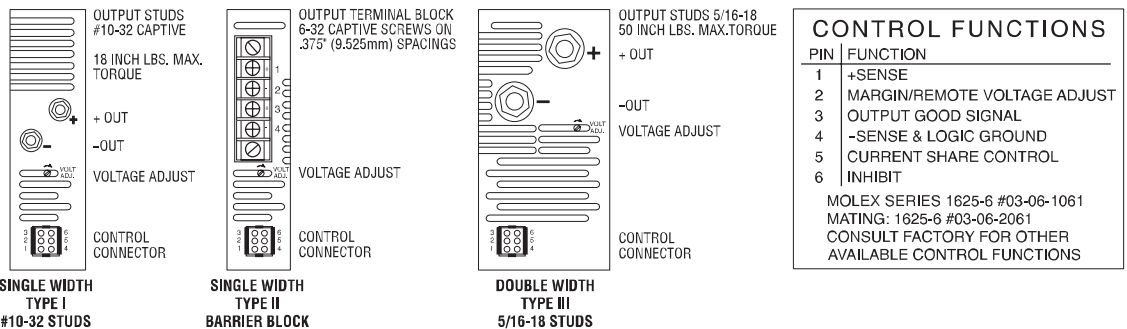
*Metric mounting chassis meet all specifications of non-metric models.

OVERALL SIZE: 15.00" x 8.00" x 5.00" (381.0mm x 203.2mm x 127.0mm)

WEIGHT: 21.0 lb (9.60 kg)



OUTPUT MODULES—CONFIGURATIONS AND INTERFACE SIGNALS



*Metric mounting chassis meet all specifications of non-metric models.