

Amphenol®



ePower Connectors

The ePower series of connectors are designed for the demanding requirements of hybrid, electric vehicles, and utility truck electrical systems, operating at 800vdc to 1000vdc with a 200A to 500A rating. The product incorporates the patented RADSOK® technology for higher amperage, lower T-rise, less resistance and mating force. Meantime, it offers a 40% smaller footprint than three EMI shielding cable glands and easier operation of termination with shielded cable by a washer compressing the shield to the inside surface of the shell. The connector series covers 2 or 3 power contacts. As an example, one ePower 400A connector can replace three conventional connectors, saving space and cost.

Features:

- Two or three circuit power
- Crimp, lug or bus bar termination
- IP2X on pin and socket
- Environmental IP67 rating
- Two HVIL circuits
- 1,000vdc rating
- 5.7mm - 14mm RADSOK® technology for 200 to 500A current capability
- Strain relief for jacketed cable incorporated into shell
- Integrated EMI shielding
- Excellent vibration resistance
- All aluminum shell

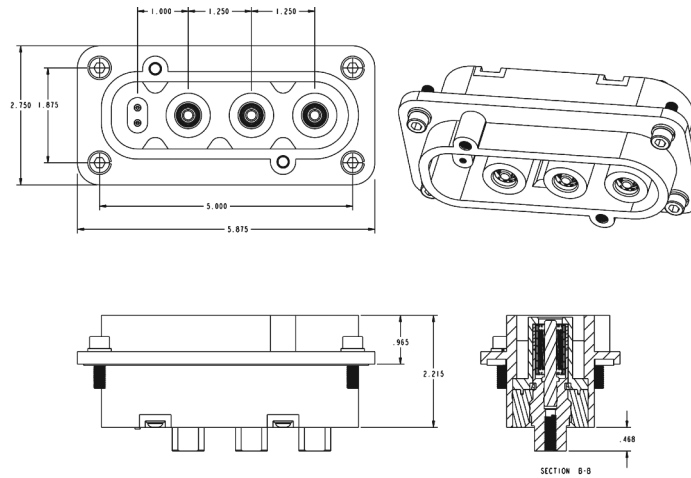
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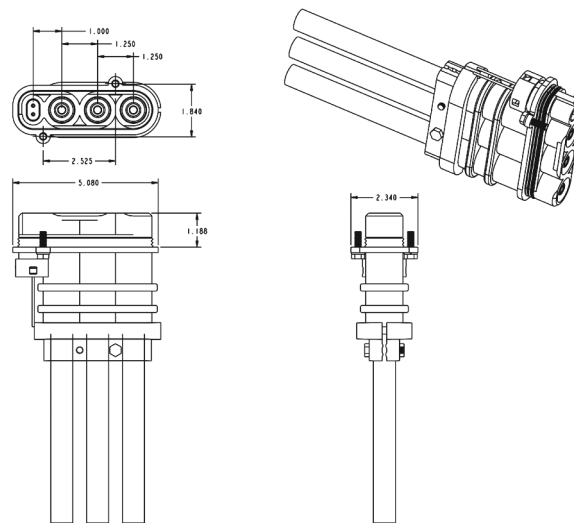
The markets and application for the ePower series include but are not limited to the following found in both the Military Aerospace and Industrial segments:

- Power converters
- Hybrid electric vehicles
- Heavy equipment electrification
- Two and three phase motors
- Starter generators

Receptacle



Plug



How to order

1		2		3		4		5		6		7	
e		P		2		2		25		1		1	
Product line	Connector	Amp Level	Number of Poles	Wire Size	Key Position	Plating							
e	ePower	P	Plug	2	200A	2	2 Pole	BB	Busbar (Receptacle Only)	1	Available in 2 & 3 Pole	1	Electroless Nickel
		R	Receptacle	4	400A	3	3 Pole	25	25 mm ² (200A Only)	2	Available in 2 & 3 Pole	FG	Tin over Nickel
								35	35 mm ² (200A Only)	3	Available in 2 & 3 Pole	B	No Plating
								50	50 mm ² (200A or 400A)	4	Available in 2 & 3 Pole		
								70	70 mm ² (400A Only)	5	Available in 3 Pole Only		
								95	95 mm ² (400A Only)	6	Available in 3 Pole Only		
										7	Available in 3 Pole Only		
										8	Available in 3 Pole Only		

The information contained in this data sheet is for reference only.

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