



**Positronic**<sup>®</sup>  
an Amphenol company



# E-MOBILITY

Electromobility, or e-mobility as it's more commonly known, is a broad term to include all types of transportation vehicles that are powered by an electric motor. They store energy in an on-board battery, which is recharged externally. These vehicle types include cars, buses, trucks, motorcycles, bicycles, off-road vehicles, water-based vessels, trains, and the like.

From an interconnect perspective, the common thread in all these vehicle types is the need to transmit power from a charging source to the battery and from the battery to the vehicle's on-board systems. Efficient power connectors from Positronic are an ideal choice for these application types.

## APPLICATIONS

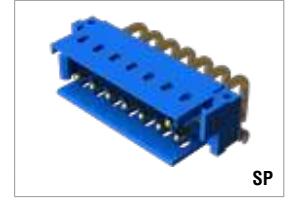
- EV charging stations
- Battery charging bays
- Battery interface
- Inside-the-box power distribution
- Power and signal I/O
- Rack mount power supplies

## FEATURES & BENEFITS

- Best-in-class power efficiency ensures minimal power loss and heat build-up
- Machined contacts provide stable, durable performance during long life cycles
- Excellent performance-to-price ratio minimizes total cost of ownership
- Excellent linear current density allows for more capability in smaller packaging

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FEATURE	POWER & HYBRID							D-SUBMINIATURE			
	PLA PLB PLC	PLS	PCIH PCIA PCIB PCIC PCIM	GFSH	GG	SP	LSP	WD	WDD	EVD	CBD
#0 Contacts					•						
#4 Contacts						•					
#8 Contacts					•	•					•
#12 Contacts		•		•	•	•	•				
#16 Contacts	•		•	•	•	•					
#18 Contacts						•					
#20 Contacts				•	•		•	•		•	•
#22 Contacts			•						•		
Solid machined contacts	•	•	•	•	•	•	•	•	•	•	•
Power and signal in a single connector			•	•	•	•	•				•
Modular connector with expandable envelope						•	•				
Configurable layout					•	•	•				
Integral blind mating				•	•	•	•				
IP-rated								•	•	•	
Metal shell								•	•	•	•
High voltage						•	•				•
UL approved	•	•	•	•		•		•	•	•	•
Wire termination	•	•	•	•	•	•	•	•	•	•	•
PCB termination	•	•	•	•		•	•	•	•		•
Press-fit PCB contacts	•		•	•		•	•				•
First mate, last break	•	•	•	•		•	•				
Venting						•	•				
Panel mount	•	•	•	•	•	•	•	•	•	•	•
Free cable	•	•	•	•	•	•	•			•	•



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