

POWER CONNECTION SYSTEMS

PLA, PLB, PLC SERIES

VERSATILE, HIGH-CURRENT, MIXED DENSITY POWER & SIGNAL CONNECTORS



Positronic[®]

an Amphenol company



- Offers low contact resistance and sequential mating
- Mixed density variants available
- Discriminating locking systems for confident mating

APPLICATIONS

- In-seat Power
- Charging Stations
- Navigation Control Systems



Find out more about our selection of E-mobility and Robotics products below.

THE SCIENCE
OF **CERTAINTY**[®]

[VIEW THE CATALOG HERE](#)

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 hubs
- Battery storage
- In-vehicle power distribution
- Power and signal I/O
- Rack-mount power supplies

FEATURES & BENEFITS

- Built-in power efficiency ensures minimal wear and heat build-up
- Lockable contact power status, stable performance during life cycle
- Excellent performance despite into-removal hot out-of-removal
- Excellent floor cover depth allows for more capacity in smaller packaging

M025 2210
www.positronic.com THE SCIENCE OF CERTAINTY

ROBOTICS & AUTOMATION

Robotics and automation are revolutionizing industries by streamlining processes, increasing efficiency, and enhancing productivity. With sophisticated sensors and algorithms, robots are working with precision and accuracy with the use of intelligent control systems.

Electronic connectors play a pivotal role in the robotics and automation industry by facilitating the seamless and reliable transmission of power, data, and signals within robotic systems and automated processes. They enable data transfer with real-time communication between sensors, actuators, and control units, ensuring precise and responsive robot movements. Their reliability, modularity, and environmental resilience are critical for the success of automation, offering precision and efficiency in the modern workplace.

APPLICATIONS

- Autonomous Systems
- Automated Factories
- Automated Guided Vehicles
- Biomedicine
- Customer Robotics
- Cobots
- Data Robots
- Service Robots

FEATURES & BENEFITS

- Non-magnetic connectors preserve the accuracy, calibration, and reliability of sensitive instruments and electronic systems
- Validation and shock resistance maintains secure connections
- EMI/RFI shielding protects sensitive electronics from external electromagnetic signals
- Built-in power efficiency ensures minimal power loss and heat build-up
- Matched contacts provide stable, reliable performance during life cycle
- Excellent performance to place into connectors into-out-of-removal
- Excellent floor current density allows for more capacity in smaller packaging
- A variety of standards and specifications allow customized solutions to protect and enhance connectors for optimal performance

M044 2405
www.positronic.com THE SCIENCE OF CERTAINTY