

CPCx Series Terminal Blocks

Used in servo control, frequency conversion energy saving, switching power supply, Electric power, lighting, industrial automation and many other fields.

Features



Safety and Stability

Utilizes flame-retardant insulating materials (e.g., UL94V-0 rating) and secures wires with robust wiring methods (screws, springs, push-in) to prevent loosening and reduce contact resistance.



Modularity and Flexibility

Employs a modular design, allowing for adjustments to the number of poles (e.g., 3P, 12P) as needed, and supports jumper bars for multi-circuit distribution.



Easy Installation and Maintenance

Supports standard rail mounting or PCB soldering, facilitating quick installation, maintenance, and replacement without disassembling the entire system.



Neatness and Easy Management

Distinguishes multiple wires to reduce tangling, and often includes labeling for easy identification.



Diverse Connection Mechanisms

Includes screw crimping, spring clamping (improved shock resistance), and push-in (quick wiring) to adapt to different application requirements.



Multiple Types of Compatibility

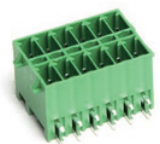
Offers various connection types including European (high density), American (high voltage/high current), straight-through, and plug-in, meeting the needs of different scenarios such as industrial, home



● European-style terminal blocks



● Plug-in female terminal blocks



● Barrier-type terminal blocks



● Barrier-type terminal blocks



Applications

- Smart Home Devices: smart speakers, security systems, IoT terminals.
- Industrial Equipment: automation controllers, industrial PCs, sensors.
- Automotive Electronics: infotainment systems, control modules.
- Communication Equipment: routers, switches, networking devices.



Server



Industrial control



Rail



Security system



Frequency converter



Data collector



Building automation



Communication

Technical Highlights



Miniaturization and High Density

As space in electronic devices decreases, terminal block designs are becoming increasingly compact, while simultaneously pursuing higher wiring density.



Intelligence and Integration

Connectors are no longer just simple connecting elements; more and more products integrate sensors and communication modules to achieve functions such as data acquisition and power monitoring.



Installation and Maintenance Ease

To improve wiring efficiency, quick-connect technologies (such as spring-loaded, through-hole, and lever-type connectors) are becoming increasingly popular, reducing the time required for screw fixing.



High Reliability and Durability

Optimized structural design and materials improve the stability of connectors in extreme industrial environments such as vibration, high temperature, and corrosion.



Modular Design

Supports flexible expansion and maintenance, facilitating equipment upgrades.



Green and Environmentally Friendly

Uses environmentally friendly materials to comply with relevant environmental regulations.

Since 1990

Proactive
Innovation
Efficiency

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