

DIN RAIL TERMINAL BLOCKS

PRODUCT OVERVIEW

Offering safe and reliable power connectivity for a wide variety of industries and applications, DIN Rail Terminal Blocks provide a modular and scalable system that utilizes 35mm DIN rails to optimize space and performance. Multiple options for wire sizes, types and attachment styles streamline integration of complex wiring layouts, while robust clamping and a vibration-resistant design help prevent failures in harsh environments.

PRODUCT HIGHLIGHTS

Push-In Technology for Faster Installation

Push-in terminals enable tool-free wiring, reducing installation time and increasing productivity in control panel assembly.

Proven Reliability for Industrial Applications

Designed with high-quality copper alloys, robust clamping systems and certified to global standards such as UL, CE and CSA, Molex DIN Rail Terminal Blocks provide dependable performance in demanding environments.

Reduced Maintenance Errors

A large marking and labeling area enables clear identification of circuits, accelerating repair work and simplifying troubleshooting.

Versatile Options for Enhanced Design Flexibility

Standard, high-current, multilevel and special-function solutions in the product line reduce sourcing complexity and ensure consistent quality across diverse projects.

Simplified Testing and Diagnostics

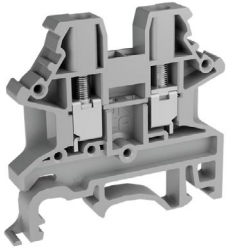
Integrated test points remove the need to disconnect wires when testing, saving maintenance time and minimizing service interruptions.

Certification Compliance to Ensure Worker Safety

High safety standards, including UL94 V-0 flame-retardant insulation and CE and IEC certifications, make these products compliant with international regulations and help eliminate certification barriers.

DIN RAIL TERMINAL BLOCKS

TERMINAL BLOCK OPTIONS



SCREW TYPE

Screw-type terminal blocks are engineered to provide maximum clamping strength and long-term reliability, making them ideal for power distribution and heavy-duty industrial applications.

Advanced Rising Cage Structure Design

Unlike traditional screw-type terminals, the Molex design incorporates a highly reliable screw-clamp mechanism that keeps the screw aligned and helps prevent it from falling out during installation.

ADVANTAGES

- Captive-screw design helps prevent lost hardware
- High clamping force for large conductors
- Superior vibration resistance
- Zinc-plated screws ensure corrosion protection
- Ideal for high-vibration environments like rail and transportation



PLUG-IN/PUSH-IN TYPE

Plug-in/push-in technology enables tool-free wiring, significantly reducing installation time compared with traditional screw-type terminals. Connecting wires using plug-in/push-in terminals takes up to 70% less time, helping panel builders dramatically increase productivity.

Compact Design Saves Panel Space

Terminal blocks from Molex help panel builders optimize cabinet space by enabling compact designs and multilevel configurations. In sensor and actuator wiring applications, these terminal blocks can reduce panel space requirements by up to 75% compared with traditional wiring methods.

ADVANTAGES

- Tool-free wiring installation
- Faster panel assembly
- Consistent contact pressure
- Reduced wiring errors
- Ideal for automated panel production

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TERMINAL BLOCK OPTIONS



COMPLETE ACCESSORY SYSTEM

Molex DIN Rail Terminal Blocks are offered with a full range of accessories that enable the construction of organized and efficient panels. These accessories support easy expansion, labeling and potential distribution across the terminal assembly.



Complete Product Ecosystem

A full range of Molex terminal block types and accessories, including bridges, end brackets, covers and marking systems, makes it easy to build complete terminal assemblies without requiring components from multiple suppliers.

AVAILABLE ACCESSORIES INCLUDE

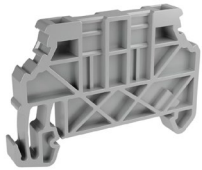
- Plug-in bridges
- Insertion bridges
- End brackets
- End covers
- Partition plates
- Marking tags
- Test plugs
- Safety covers



Full Interoperable Compatibility

All Molex accessories are designed specifically for the Molex DIN Rail Terminal Block system, ensuring a secure fit, easy installation and reliable electrical connectivity.

TYPE	FUNCTION	TYPICAL USE
Single-level feed through	Basic wire-to-wire	Programmable logic controller (PLC) panels, machine wiring
Ground/earth	Equipment grounding	Safety circuits
Double level	Two circuits per block	High-density panels
Triple level	Three circuits per block	PLC and automation
Disconnect	Isolating circuits	Testing and maintenance
Diode	Preventing reverse current	PLC outputs, relay circuits
Fuse	Circuit protection	Control circuits



Improved Panel Organization

Accessories such as marking systems, partition plates and end covers help create clean, clearly labeled control panels that simplify maintenance and accelerate troubleshooting.



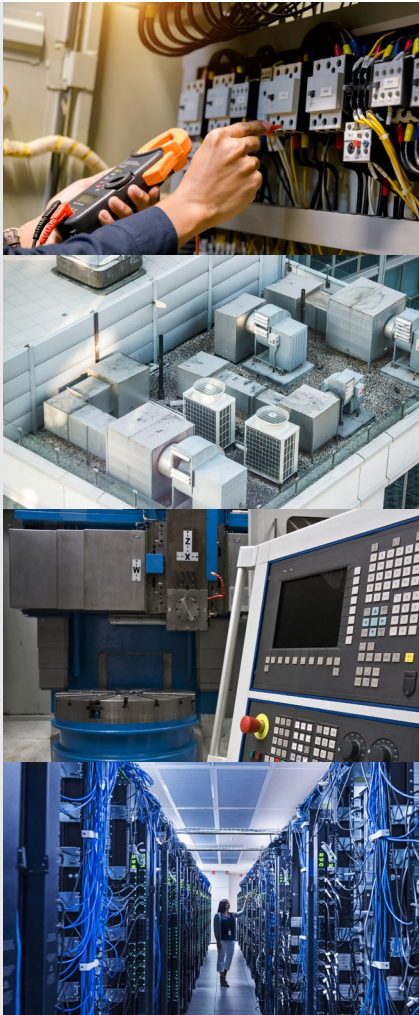
Flexible Power Distribution

Bridging systems, including plug-in and insertion bridges, enable quick potential distribution across multiple terminals, reducing wiring time and improving installation efficiency.



DIN RAIL TERMINAL BLOCKS

WIRING SOLUTIONS FOR EVERY INDUSTRY



Agricultural Machinery

Grain handling and processing systems
Heavy equipment
Irrigation control panels

Automotive

Assembly line equipment
Plant electrical distribution systems
Test rigs
Transportation systems

Electrical and Power

Circuit protection equipment
Distribution panels
Generators
Substations
Switch gear
Transformers

Home Energy Storage

Battery energy storage systems (BESS)
Electric vehicle charging stations
Renewable energy systems

HVAC

Air-handling units
Building automation control systems
Chillers
Compressors
Temperature-regulation control systems

Industrial Automation

Automated systems
Control cabinets
Industrial control panels
Machine control systems
Motor control centers
Production line machinery
PLCs
Robots
Signal and power distribution

Power for Data Centers

High-density power-distribution units
Power distribution cabinets

Telecommunications

Base station power distribution
Networking racks
Routers
Server cabinets
Switches

SPECIFICATIONS

Reference Information

Packaging: Box
Designed in: Millimeters
RoHS: Yes
Halogen Free: Yes
Flame-Retardant Rating: UL94 V-0
Finger Protection: Yes
Back-of-the-Hand Protection: Yes

Electrical

Voltage (max.): 1,000V per VDE and III/3,
600V per UL
Current (max.): 24.0A per VDE, 20.0A per UL
Rated Impulse Voltage per III/3: 8,000V
Insulation Resistance (min.): 500 Megohms
@ 500V DC

Physical

Insulation Material: Polyamide
Insulation Material Group: I
Operating Temperatures: -40 to +120°C

Mechanical

Conductor Cross Section, Solid: 0.14 to 4.00mm²
Conductor Cross Section, Stranded: 0.14 to 2.50mm²
Conductor Cross Section, Flexible: 0.25 to 2.50mm²
Two-Conductor Cross Section, Solid or Stranded:
0.14 to 1.50mm²
Wire Range: 0.34 to 2.50mm² (22 to 12 AWG),
larger wire sizes available
Wire Termination: Screw, plug-in/push-in

www.molex.com