



# Dynamic Rail

## Electrical Controls for Railway



**Dynamic Rail** works with suppliers of **rugged components that stand up to railway standards for Shock and Vibration, EMC, Extended Temperature, Water, Dust and High Humidity.**

**Dynamic** has been supporting the North American Railway and Transportation markets for several years. We specialize in providing ultra-rugged electrical hardware for Rolling Stock, Wayside and TPSS applications.

Our product experts also keep up to date on compliance standards, environmental concerns, and testing requirements for the transportation market. When specifying safety critical components we consider ourselves solution providers that know the ins and outs of the manufacturers we represent.

At **Dynamic Rail** we understand the challenges your specification brings and we know that piece parts are sometimes not the answer on their own. Our engineers will work diligently to find a field proven railway solution to your problem.



## POWER

Transformers, Line Reactors, Filters, Drives, Motors, Power Supply, Surge Protector, Overloads, Circuit Breakers, GFCI, Fuses, Contactors, Disconnects, Breakout Boards, Transducers, Power Distribution Blocks and PDU's



## CONTROL

Controller or PLC, Edge Computing and VPN devices, Displays, I/O devices, Analog and Digital Interface, Ethernet, Device Servers, and Safety Systems



## ELECTRO-MECHANICAL

Enclosures, Fans, Relays, Timers, HMI, Push Buttons & Indicators, Sensors, Limit Switches, Terminal Blocks, Connectors, Cable Seals & Cord Grips, Wire Duct, Raceway, Wires, and Wire Termination (ferules, ring lugs)

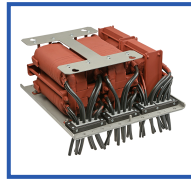
# APPLICATION AREAS:

- LIGHT RAIL TRANSIT
- COMMUTER TRAINS
- HIGH SPEED AND HEAVY RAIL
- WAYSIDE SWITCHING, SIGNALING AND INTERLOCKS
- TRACTION POWER SUBSTATIONS

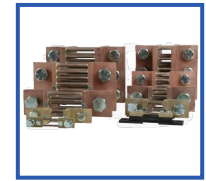
# POWER



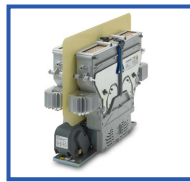
Transformers, Line Reactors, Filters, Power Supplies, Electronic Circuit Breaker



Electrical Transducers, Voltage Measurement, Speed Sensor Signal Converter, PWM Duplication, Voltage Presence Detector (VPD), Shunt Resistors



DC Contactors for High Voltage and Current, Toggle and Limit Switches, Disconnect and Changeover Switches, Deadman Handles and Footswitches, Master Controllers, Vacuum Circuit Breakers



# CONTROL



Safety Controller, Commercial off the Shelf (COTS) SIL 4 safety controllers



Embedded PC and Industrial Computers, PLC, DAQ, Remote I/O, Wireless and Cellular M2M Communications, Displays, LAN Networking, and System Integration Services

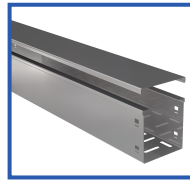




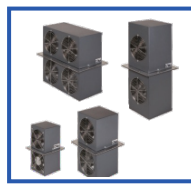
# ELECTRO-MECHANICAL



Cable Glands, Cord Grips, Sealing Inserts, Hole Plugs, Wire Tray, Cable Trunking, Electrical Conduits and Raceway, IP69+, EMC protection and Fire Barriers to EN45545, Safety level HL3



Thermal Control products for rugged environments. Temperature Simulations, Heat Pipes, Heat Sinks, Thermo Electric Cooling



Connectors for High Current and Voltage, Heavy Duty Rectangular Connectors, IEC Pin and Sleeve, Circular Connectors to 400A, Custom Cable Assemblies



Vibration-Proof and EMC Shielded Enclosures and Racks for use in traffic engineering. Sub racks Withstand Intense Shock and Vibration and Protect electronics from Water, Dust, and Humidity.

