

Specializing in AC Power Quality & DC Current and Voltage Control

POWER QUALITY

Power disturbances such as voltage transients, surges and spikes, harmonics and voltage imbalance will have an impact on the quality of electricity. Our goal is to avoid disruptions that interfere with production, damage equipment and corrupt data in automated environments.

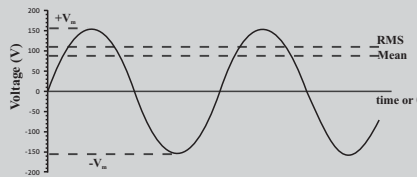
- **LINE REACTORS** – Minimize Noise to Reactive Power Components and Improve PF.
- **FILTERS** – EMI / RFI, Harmonic Distortion, dv/dt, and Sinewave
- **UPS SYSTEMS AND ENERGY STORAGE**



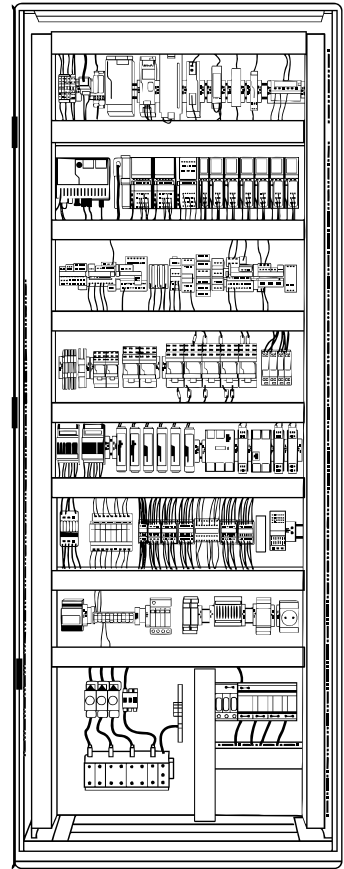
ELECTRICAL MEASUREMENT

DC power measurement is relatively simple watts = volts x amps.
AC power measurement, is more complex due to the power factor (PF).
AC power calculations also depend on Sinewave, Frequencies, and Phase Balance (reactance and resistance)

- **AC CURRENT TRANSDUCERS**
- **DC VOLTAGE TRANSDUCERS**
- **MONITORING RELAYS**
- **POWER METERS**



Rugged Products for High End Applications



**Industrial Grade Devices
for High Precision,
Accuracy, and Continuous use.**

ELECTRICAL CONTROL AND POWER DISTRIBUTION

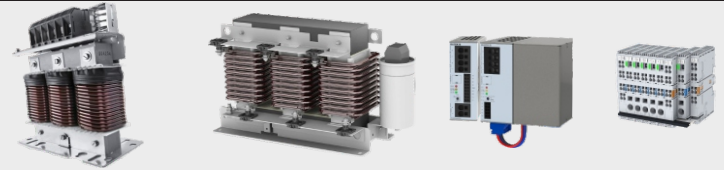
Control components are used extensively in industrial equipment and within control cabinet circuits involving switching, starting, protecting, detecting, monitoring, communicating, and other electro-mechanical functions.

- **MAIN BREAKERS AND SURGE SUPPRESSORS**
- **TRANSFORMERS**
- **DC POWER SUPPLIES**
- **CIRCUIT BREAKERS**
- **CONTACTORS AND RELAYS**
- **TERMINAL BLOCKS AND POWER DISTRIBUTORS**
- **SWITCHES AND CONNECTORS**





Transformers
Line and Motor Reactors
Filters for EMI, Harmonics and Sinewave
DC Power Supplies and UPS Systems
Electronic Circuit Breakers



Power Contactors for AC/DC
Bi-Directional and Battery Contactors
Emergency Disconnects
Snap-Action Switches
Rugged and High-Power Connectors



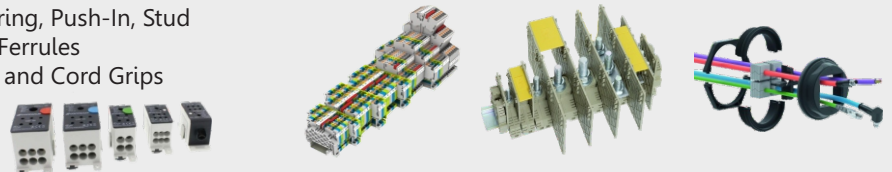
AC/DC Voltage Transducers
High Current Shunt Resistors
Threshold and Protective Relays
High Precision Signal Conditioning
Loop Isolators, Splitters, and Repeaters



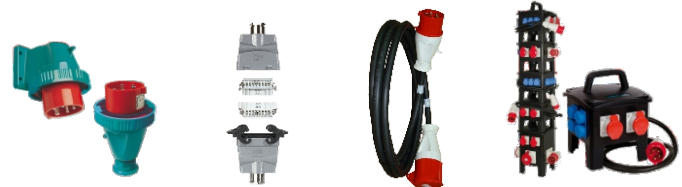
Time Delay Relays, Timers, and Pulse Counters
Monitor; Voltage, Current, and Temperature
Phase Monitoring; Failure, Sequence, Asymmetry
Power Meters with Modbus RTU interface
Motor Soft Starters



Din Rail Terminal Blocks; Screw, Spring, Push-In, Stud
Din Rails, Wire Ducts, Connectors, Ferrules
Cable Entry Systems, Cable Glands and Cord Grips
Power Distributor Blocks
Marking and Labeling



IEC Pin & Sleeve Connectors
Industrial Rectangular Connectors
Mechanical Interlocks & Disconnect Switches
Portable Power Distribution Solutions



ENCLOSURES - THERMAL MANAGEMENT - PLC - I/O - NETWORKING - HMI



- Industrial Ethernet
- Edge Controllers
- Gateways
- Network Switches



- Enclosure Coolers
- Thermal Control Products
 - Heat Pipes
 - Heat Sinks
 - Thermolectric



- Non-Metallic Enclosures
 - Polycarbonate
 - Fiberglass



- Industrial LAN Solutions
- Data Cables and Connectors



- Cord Grips and Cable Glands
- Thread Adaptors, Vents, and Hole Plugs
- Cable Tray and Raceway

OTHER SOLUTIONS INCLUDE:

- Control Panel Design and Engineering Services
- Contract Manufacturing; Cable and Harness, Box Builds, & PCB Assembly

NEED A CUSTOM PRODUCT? THAT'S OUR SPECIALTY, JUST ASK!

