



The Next Generation Medium Voltage Soft Starter

Series

"A generational change in processor speed, protection/ monitoring functionality and communications capabilities."

- Bluetooth® Connectivity to Mobile App
- Seamless Troubleshooting
- Advanced Monitoring & Protection
- Easy-to-Use HMI Operator & Display
- Shortened Commissioning Times
- Standard & Heavy Duty Ratings
- Horizontal Bus Options to 2000A
- Stand-Alone Units or Lineups
- Configurable Options:
 - Seismic Ratings
 - Arc Resistant Design
 - Communication



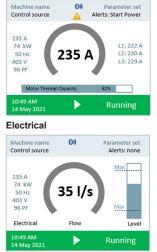


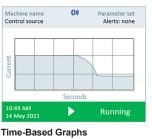




MVRNX SERIES - KEY FEATURES













Automation Screen (aka soft PLC)

Multi-Motor Screen

Expandable system

- · HMI with full-color display (panel-mount)
- · DIN rail-mounted control modules

Built-in connectivity

- · Bluetooth Low Energy (BLE) wireless connection to mobile app
- · Built-in Modbus RTU
- 6 x digital inputs / 4 x relay outputs
- · Analog output with digital offset and span adjustment
- USB-A socket
- · CAN bus-based expansion to other modules

Easy to understand interface

- · Plain text menus and displays
- · Color-coded status bar
- · Informative on-screen metering
- · Real-time clock
- · Programmable metering
- Resettable run time and power consumption metering
- Multi-language menus and displays
- · Passcode protection

Versatile starting/stopping options

- · Constant current
- · Current/Voltage/Power ramps
- TruTorque

Pump Screen

2 and 3 wire start/stop control

Customizable protection

- Motor overload (thermal model)
- Undercurrent/Overcurrent
- Underpower/Overpower
- · Undervoltage/Overvoltage
- · Current imbalance
- Stalled motor protection
- · Excess start time
- Line frequency
- Phase sequence
- Phase loss (single phasing)
- · Power factor leading/lagging
- · Residual or zero-sequence ground fault protection
- · Backspin/restart timer
- Starts per hour
- Time between starts
- · Power loss ride-through

Motor control modes

- · Soft start supports two motor sets
- · Smart ATL injection test compatible
- Smart Wye/Delta

Commissioning/troubleshooting tools

- · Extensive trip and event logging
- · Versatile trip actions
- High-speed waveform capture
- · Self-test and run simulation mode

Cybersecurity

- Secure Bluetooth pairing
- · PIN number protection
- · Digitally signed firmware

Ideal for retrofit applications

- · Existing/'legacy' soft starters
- ATL

Optional features

- Seismic ratings
- · Arc resistant design

Optional expansion modules

- · 8 or 16 RTD inputs, O/L biasing
- Ethernet/IP
- · CAN bus isolation



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