

Multilin 469

Complete integrated protection and management of medium and large motors

The Multilin™ 469 Motor Protection System, a member of the S9 family of relays, provides control, simplified configuration and advanced communications in a cost-effective industry leading draw-out construction. Designed for medium voltage motors, the 469 delivers advanced protection with customizable overload curves and single CT differential protection for added flexibility. The 469 also provides simplified configuration using the Motor Settings Auto-Configurator, providing a quick and easy set-up of motor parameters. Coupled with advanced protection and diagnostics, the 469 provides users the flexibility of multiple communication protocols allowing integration into new and existing control networks.

Key Benefits

- Comprehensive motor protection plus voltage-dependent overload curves, torque metering and protection, breakerless bar protection
- Most advanced thermal model - including multiple RTD inputs for stator thermal protection
- Minimize replacement time - Draw-out construction
- Complete asset monitoring - Temperature, Analog V/I, full metering including demand & energy
- Improve uptime of auxiliary equipment - Through VDI monitoring
- Reduce troubleshooting time and maintenance costs - Event reports, waveform capture, data logger
- Built-in simulation functions simplify testing and commissioning
- Cost Effective Access to Information - Through standard RS232 & RS485 serial ports, and optional Ethernet and DeviceNet Ports
- Field upgradable firmware and settings
- Optional Conformal coating for exposure to chemically corrosive or humid environments

Applications

- Protection and Management of three-phase medium and large horsepower motors and driven equipment, including high inertia, two-speed and reduced-voltage start motors



Protection and Control

- Thermal model based with RTD and negative sequence current feedback
- Start supervision and inhibit
- Mechanical jam
- Voltage compensated acceleration
- Undervoltage, overvoltage
- Underfrequency
- Stator differential protection
- Thermal overload
- Overtemperature protection
- Phase and ground overcurrent
- Current unbalance
- Power elements
- Torque protection
- Dual overload curves for 2-speed motors
- Reduced voltage starting control

Communications

- Multiple Ports - 30baseT Ethernet, RS485, RS232, RS422, DeviceNet
- Multiple Protocols - Modbus RTU, Modbus TCP/IP, DeviceNet

Monitoring & Metering

- A, V, W, var, VA, PF, Hz, W/h, var/h, demand
- Torque, temperature (32 RTD's)
- Event recorder
- Oscillography & Data Logger trending
- Statistical information & learned motor data

EnerVista Software

- State of the art software for configuration and commissioning Multilin products
- Document and software archiving toolset to ensure reference material and device updates are up-to-date
- EnerVista™ Integrator providing easy integration of data in the 469 into new or existing monitoring and control systems



Multilin 469 Instruction Manual

Guillaume Favre



Multilin 469 Instruction Manual:

Reviewing **Multilin 469 Instruction Manual**: Unlocking the Spellbinding Force of Linguistics

In a fast-paced world fueled by information and interconnectivity, the spellbinding force of linguistics has acquired newfound prominence. Its capacity to evoke emotions, stimulate contemplation, and stimulate metamorphosis is really astonishing. Within the pages of "**Multilin 469 Instruction Manual**," an enthralling opus penned by a very acclaimed wordsmith, readers attempt an immersive expedition to unravel the intricate significance of language and its indelible imprint on our lives. Throughout this assessment, we shall delve in to the book is central motifs, appraise its distinctive narrative style, and gauge its overarching influence on the minds of its readers.

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