AVIONICS INVERTER UNIT

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MINV-9T36-3PH-115LN-3K-A01

The " MINV-9T36-3PH-115LN-3K-A01" is an avionics 3ϕ inverter with regulated 115 VAC output, capable of delivering 2300 VA to loads when connected to an 18-36V input. Key features include continuous built-in testing, 3ϕ or 1ϕ output option, overvoltage and undervoltage protection, I2T and short circuit protection and adjustable output between 100-115 VAC. It meets MIL-STD-810, MIL-STD-461G and MIL-STD704F standards.

- Provides regulated 3ϕ or 1ϕ AC voltage

- Output I2T protection

- Output short circuit protection

- Output overvoltage and undervoltage protection

- Input overcurrent protection

- Input undervoltage and overvoltage lockout

- Air cooling with fans

- Paralleling option with active current sharing

- Continuous built-in test

The " MINV-9T36-3PH-115LN-3K-A01" is a high-performance 3-phase inverter designed for avionics applications, offering a stable 115 VAC output and 2300 VA power capacity from an 18-36V input source. This inverter supports both 3-phase and single-phase outputs and includes adjustable voltage between 100-115 VAC. Its robust design includes continuous built-in testing, ensuring reliable operation, and it complies with rigorous military standards, including MIL-STD-810, MIL-STD-461G, and MIL-STD-704F, for durability in challenging environments.

1. Key protective features of the MINV-9T36-3PH-115LN-3K-A01 include I2T and short circuit protection, overvoltage and undervoltage safeguards, and an overcurrent lockout on the input side. Equipped with an air-cooling system, the inverter also supports paralleling with active current sharing, making it versatile for various power distribution setups. This unit is engineered for resilience, integrating continuous diagnostics to maintain performance and reduce maintenance needs in mission-critical scenarios.