Lenze EMB9352-C Manual

Brand	Lenze
Product Series	Lenze
Product Type	Inverter Braking Module

Description

The EMB9352-C is an inverter braking module from Lenze's Series 9300, designed to handle power supply voltages between 270 and 775 Volts DC. This unit features multiple braking power options, with peak values reaching up to 25 kilowatts at certain voltage thresholds.

Technical specifications for EMB9352-C
Manufacturer Lenze
Product Type Inverter Braking Module
Product Line Series 9300
Part Number EMB9352-C
Power Supply Voltage 270 to 775 Volts DC
Peak Braking Power 12 kilowatt at 375 Volts DC, 23 kilowatt at 725 Volts DC, and 25 kilowatt at 765 Volts DC
Peak Current 32 Amperes
Ambient Operating Temperature 0 to 40°C with no power reduction and -40 to 50°C with power reduction
Switching Threshold 375 Volts DC, 725 Volts DC, and 726 Volts DC
Storage Temperature -25 to 70°C
Braking Resistance 47 ohms (minimum) at 375, 725, and 726 Volts DC
Mounting Method DIN rail mount
Maximum Energy 50 Watts
Continuous Braking Power 5 kilowatt at 375 Volts DC, 10 kilowatt at 725 Volts DC, and 11 kilowatt at 765 Volts DC
Display Type LED display
Humidity Tolerance Approximately 85% relative humidity and in a non-condensing environment
Vibration Resistance Up to 0.7G
Protection Class IP20

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Lenze's EMB9352-C is engineered as a specialized inverter braking module within the Series 9300. It accommodates power supply voltages ranging from 270 to 775 Volts DC, making it suitable for various applications. The module’s peak braking power varies with voltage levels, providing 12 kilowatts at 375 Volts DC, 23 kilowatts at 725 Volts DC, and an impressive 25 kilowatts at 765 Volts DC. This flexibility ensures adequate braking strength for different operational demands.

Operating at a peak current of 32 Amperes, the EMB9352-C can manage substantial electrical activities. This unit boasts an ambient operating temperature range from 0°C to 40°C without any power reduction; however, temperatures can drop to -40°C and still function with some power reduction. Those working in different conditions can rely on the switching thresholds located at 375, 725, and 726 Volts DC for optimal efficiency.

For storage, the module can tolerate temperatures between -25°C and 70°C, ensuring safety in a range of environmental conditions. Its required braking resistance is set at a minimum of 47 ohms for the specified voltage levels. Installation is straightforward as the module mounts onto DIN rails. The energy maximum is limited to 50 Watts, which is acceptable for this kind of equipment.

The continuous braking power is rated at 5 kilowatts for 375 Volts DC, 10 kilowatts at 725 Volts DC, and 11 kilowatts at 765 Volts DC.

An LED display provides users with necessary information, while humidity tolerance allows for approximately 85% at non-condensing conditions. This device also resists vibrations up to 0.7G, and its enclosure is rated at IP20 for protection from dust and touch hazards.

Technical Specifications

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