SAFETY INSTRUCTIONS

WARNING

This is an electrical component intended for installation by professional equipment manufacturers. Read these safety and installation instructions carefully before handling the product.

During operation, parts inside the DC-Converter may carry dangerous voltages. Incorrect handling can cause electric shock, serious injury, fire or damage to the application.

Do not operate the device without the required protective bonding. Do not touch uninsulated cable ends; they may carry dangerous voltage.

SAFETY AND INSTALLATION

Installation and operation of this DC-Converter must comply with all applicable national safety regulations. Installation, commissioning and maintenance may only be performed by trained and qualified personnel.

This DC-Converter is galvanically isolated. The negative input and output terminals are not connected internally. Protective separation is provided by reinforced insulation.

- This is a built-in component for professional equipment manufacturers.
- Terminals and uninsulated connections must never be accessible to operators.
- The heat-sinking aluminium baseplate or housing must be connected to earth potential where required by the product and end application.
- The positive input line must be protected by a 15 A input fuse.
- Protective separation, touch protection and fire protection must be verified in the final application.
- Connections to the input supply and output load may only be made while voltage-free and load-free.

To achieve the specified output power, heat loss must be dissipated through a suitable heat sink or aluminium baseplate. The case temperature must not exceed 90 °C. The device shuts down automatically when the thermal shutdown temperature is reached. Temperature gradients across the device must also be considered.

STORAGE

The module must be stored in a dry, dust-free environment at ambient temperatures between -10 °C and +65 °C. Storage under these extreme conditions must not exceed 25 days.

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SAFETY INSTRUCTIONS

COMPLIANCE

Safety aspect: This product is a component for installation in professional equipment and does not perform an autonomous end-product function. Electrical safety, protective bonding, accessibility of terminals and the suitability of the selected isolation concept must be assessed and verified in the final application.

EMV: The EMC behaviour of the complete system depends on wiring, grounding, filtering, load and installation conditions. The manufacturer of the final equipment is responsible for EMC assessment and conformity of the end application. If several devices are connected in parallel, the resulting EMC behaviour must also be characterised and tested in the final application.

WARRANTY

Every device returned as defective is examined using our internal analysis process, provided it is within the contractual warranty period. If the failure is caused by a manufacturing defect or technical failure, Demke will repair or replace the device in accordance with the agreed warranty terms. Damage caused by incorrect installation, operation outside the specified limits, unsuitable protection, improper storage or improper maintenance is excluded.

Demke has no control over the design of the final application, its wiring, load, operating environment or safety concept. The buyer is responsible for product selection, integration, validation and all necessary tests. Liability for consequential or collateral damage is excluded to the extent permitted by law.

For warranty service, contact Demke Electronic within the contractual warranty period and request a Return Material Authorisation (RMA) number before returning the product.

PROOF OF QUALITY

Demke Electronic DC/DC converters are manufactured and individually tested in Germany in accordance with our quality requirements and ISO 9001 processes. Each device is shipped only after passing the defined quality and functional tests.

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