**SAFETY INSTRUCTIONS**

- Interventions by unauthorized persons!
  - Danger to life by electric shock and malfunction!
  - Modification or repair is only permitted by KEB-authorized personnel.

**SAFETY INSTRUCTIONS**

- Maximum design edges and high weight!
  - Observe the safety and warning instructions.
  - Secure drive converter according to the lifting gear.

- Behaviour in case of transport damage
  - When receiving goods, check the device for transport damage such as damaged packaging.
  - In case of damage, contact the consignee immediately.
  - Do not operate the device in case of transport damage!

- Storage
  - Do not store drive converters in the environment of aggressive and/or conductive liquids or gases.
  - Do not store drive converters at places with direct sunlight.
  - Do not store drive converters in the environment of aggressive and/or conductive liquids or gases.

- Protection
  - Important: Do not modify or repair the device converter. All modifications and repairs must be performed by KEB Automation KG authorized personnel.

**INSTALLATION/ELECTRICAL CONNECTION**

- Voltage at the terminals and in the device!
  - Danger to life by electric shock!
    - Never work under voltage on the open device or touch exposed parts.
    - For any work on the unit switch off the supply voltage and ensure it against switching on.

- Wait until the DC link capacitors are discharged (5 minutes).

- Leakage current higher than 3.5 mA: The maximum cross-section of the protective earth conductor must comply with local safety regulations for protective earth conductors for equipment with high leakage current.

- Install all required covers and protective devices for operation.

- Residual current: This product can cause a DC current in the protective earth conductor. If a residual current device (RCD) or a residual current sensor (RMS) is used for the protection of direct or indirect contact, KEB recommends the use of a RCD or RMS of Type B is used for the product on the power supply side.

For a trouble-free and safe operation, please pay attention to the following instructions:

- Check for reliable fit of the device connections in order to minimize contact resistance and avoid sparking.

- Connection of the drive converter is only permissible on symmetrical networks with a maximum voltage (L1, L2, L3) with respect to earth 
  - Permissible cross-section Udc=205V
  - Overload relays

- Check the function of the fans of the drive converter. The fans must be replaced in case of audible vibrations or squeak.

- Clean drive converter from dirt and dust deposits. Pay attention especially to cooling fins and protective grid of the fans.

- If the contacts of an overload relay are burned, the complete relay must be replaced.

- Check especially during initial startup or replacement of the drive converter if parameterization is compatible to application.

- The drive converter must not be started until it is determined that the installation complies with the machine directive.

- Special attention is required for the start-up and operation of the product.

- The drive converter must only be used if a residual current device is used for the purpose of the protective earth conductor.
**Housing A**

- **Built-in version (Standard)**
- Dimensions in mm: [Diagram]
- Weight: 1.3 kg

**Housing B**

- **Built-in version (Standard)**
- Dimensions in mm: [Diagram]
- Weight: 2.3 kg

**Housing C**

- **Built-in version (Standard)**
- Dimensions in mm: [Diagram]
- Weight: 4.6 kg

- **Flat rear version**
- Dimensions in mm: [Diagram]
- Weight: 5 kg

**Housing D**

- **Built-in version (Standard)**
- Dimensions in mm: [Diagram]
- Weight: 11.3 kg

**Housing E**

- **Built-in version (Standard)**
- Dimensions in mm: [Diagram]
- Weight: 8.3 kg

**Housing F**

- **Flat rear version**
- Dimensions in mm: [Diagram]
- Weight: [Not specified]

__UL Compliance__

**NOTICE**

- UL certification
- Only devices with UL logo on the name plate are certified.

**Branch Circuit Protection**

- Integral solid state short circuit protection does not provide branch circuit protection.

**WARNING**

- The housing dimensions of other model variants can be found in the instruction manual of the corresponding housing size.

__Grounding System__

- Only for use in non-corner grounded type WYE source not exceeding 277V phase to ground.