

# Bardac

## drives

### OPTIDRIVE SIZE 6

### CHOKE CONNECTIONS

## User Guide

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The manufacturer accepts no liability for any consequences resulting from inappropriate, negligent or incorrect installation.

The contents of this User Guide are believed to be correct at the time of printing. In the interests of a commitment to a policy of continuous improvement, the manufacturer reserves the right to change the specification of the product or its performance or the contents of the User Guide without notice.

#### SAFETY

The Input Choke is specifically designed to be used with the Optidrive variable speed drive product and is intended for professional incorporation into complete equipment or systems. If installed incorrectly it may present a safety hazard. The Optidrive uses high voltages and currents, carries a high level of stored electrical energy, and is used to control mechanical plant that may cause injury. Close attention is required to system design and electrical installation to avoid hazards in either normal operation or in the event of equipment malfunction.

System design, installation, commissioning and maintenance must be carried out only by personnel who have the necessary training and experience. They must read carefully this safety information and the instructions in this Guide and follow all information regarding transport, storage, installation and use of the Choke, including the specified environmental limitations.

Please read the IMPORTANT SAFETY INFORMATION below, and all Warning and Caution boxes elsewhere.

#### SAFETY NOTICES

**WARNING** is given where there is a hazard that could lead to injury or death of personnel.

**CAUTION** is given where there is a hazard that could lead to damage to equipment.

It is the responsibility of the installer to ensure that the equipment or system into which the product is incorporated complies with the EMC legislation of the country of use. Within the European Union, equipment into which this product is incorporated must comply with 89/336/EEC, Electromagnetic Compatibility.

**WARNING** - Within the European Union, all machinery in which this product is used must comply with the Directive 89/392/EEC, Safety of Machinery. In particular, the equipment should comply with EN60204-1.

#### WARRANTY

All Invertek Drives Ltd (IDL) products carry a 2-year warranty, valid from the date of manufacture.

Complete Warranty Terms and Conditions are available upon request from your IDL Authorised Distributor.

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#### CAUTION

- Store the Choke in its box until required. It should be stored in a clean and dry environment. Temperature range  $-40^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$ .

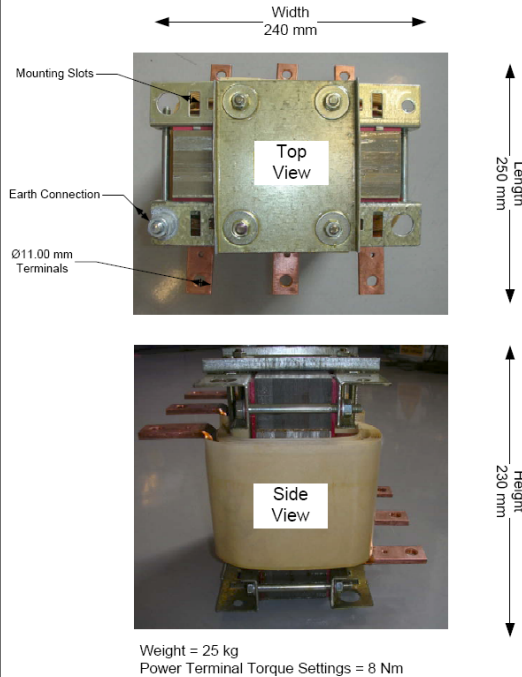


To avoid the risk of electric shock, it is essential that all power to the Optidrive is removed before carrying out this operation.

#### WARNING

- Optidrives and the Choke devices should be installed only by qualified electrical persons and in accordance with local and national regulations and codes of practice.
- Electric shock hazard!** Disconnect and ISOLATE the Optidrive before attempting any work on it. High voltages are present at the terminals and within the drive for up to 10 minutes after disconnection of the electrical supply.
- Where the electrical supply to the drive is through a plug and socket connector, do not disconnect until 10 minutes have elapsed after turning off the supply.

#### SPECIFICATIONS



#### CONNECTIONS

Note:

- The order of the phases is not important.
- The choke can be mounted to suit the wiring. It does not matter which terminals are used for the input or output. The choke can be mounted above the drive or anywhere in the panel.
- The choke should not be directly connected to the drive to stop any mechanical stress on the terminals of the drive.

#### MOUNTING INFORMATION

