

GB Electronics (UK) Ltd

LF1-400-3kW-GBE Frequency Converter - datasheet



115V 400Hz Single Phase output, at up to 3kVA

The LF1-400-3kW-GBE frequency converter offers low price fixed voltage single phased full isolation between the output voltage and the incoming supply, and the output neutral may be earthed externally if required. The unit is fully protected against overcurrent and temperature conditions, LF1-400-3kW-GBE are supplied with input and output cables. This LF1-400-3kW-GBE is normally supplied as a free standing bench top unit; but can also be built in a rack mount configuration if required at no extra cost. A support shelf or bracket would be required when the rack mounting option if specified: these are not supplied with the unit, as their dimensions will depend on the arrangement of the cabinet or rack.

Input Requirement

230V single phase, +10% / - 6%, 45 – 66Hz

Output Capability

115V 400Hz +/-1Hz, at up to 3kVA (26A max)
Overcurrent trip at >3600VA
Short circuit and overtemperature protection
Load Power Factor 0.5 lag to 0.5 lead at full load
With linear load, line regulation +/-1%, load regulation +/-1%
THD better than 5% and full-load efficiency >80%

Controls, Indications & Connections

Input On/Off switch and indicator, Output On/Off switch
Output Voltage and Output Current analogue meters
Over Current and Over Temperature indicators
IEC inlet connector, twist-lock output connector
Input and output cables supplied

Operating Environment

0 to +40 degrees
90% non condensing

Size & Weight

449mm wide x 476mm (Case) 562mm (With Handles) deep x 177mm high (4u in 19 Inch rack) 36kg

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