

7100L

MODEL



Single Phase Solid State Contactor for use with Resistive Loads Specification Sheet

Ideal for :

- Small ovens
- Chillers
- Sterilisers
- Heat sealing

Features :

- Current range from 16 to 100 amps at 45°C
- Voltage up to 500V
- Simple installation and maintenance
- Reduced size due to optimised design
- Protected against transients
- Fast cycle times give increased heater life
- High reliability with no mechanical contacts
- 2 Year warranty

The 7100L is a simple, economic solid state contactor for use with low temperature coefficient resistive loads.

The 7100L range provides an effective replacement for electromechanical contactors. Fast switching reduces the thermal cycling of the elements resulting in long element life. There are no mechanical contacts to wear out and so maintenance costs and downtime are reduced.

Silent operation and lack of electrical interference, achieved by zero voltage switching, give environmentally friendly operation.

Ratings

The 7100L is offered in a wide range of current ratings (from 16 to 100 amps) which are rated at 45°C

Inputs

These units, with integral heatsinks, are driven by a logic input signal which can be either DC or AC, depending on the order code. Firing is ON/OFF in response to the logic input, with zero voltage switching.

A green 'heat' LED indicator on the front face indicates the status of the input signal.

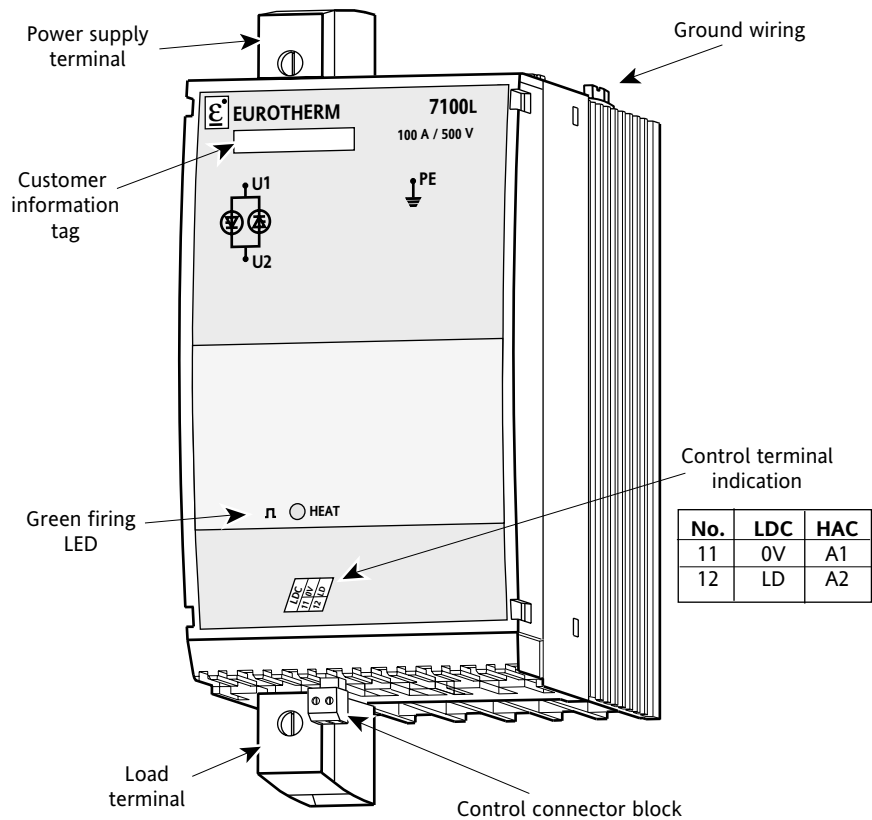
Fusing

High speed fuses are external to the unit and can be ordered complete with fuseholder as part of the 7100L order code. Spare fuses or complete fuse and fuseholder assemblies can also be ordered separately.

International approvals

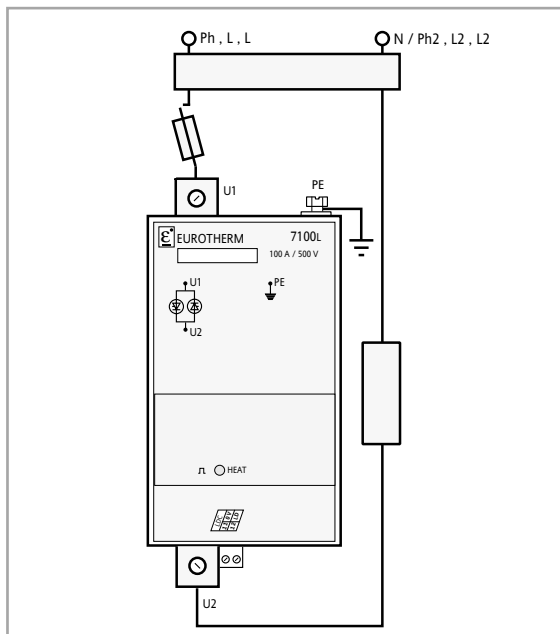
CE (EN60947-4-3), UL and cUL (file number E86160)

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Example of 7100L layout

Wiring schematic



CAUTION

7100L Solid State Contactors must be mounted and wired by qualified staff, authorised to work on low voltage electrical facilities

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