

I Current Input Terminal. The current input ("I") terminal has a Protection Limit of 3A (rms) maximum current flowing to the L input terminal. Note that the current input terminal will be at approximately the same voltage as the L terminal.

H and L 4W Sense Terminals. The H and L sense terminals are used for four-wire resistance measurements. The Protection Limit is 200 Vpk for each of the following terminal pairings:

L 4W Sense to L Input

H 4W Sense to L Input

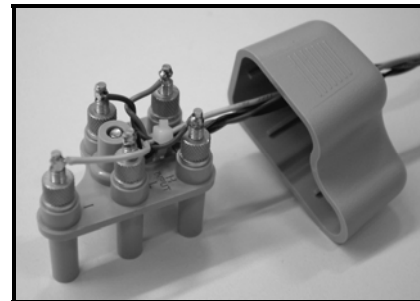
H 4W Sense to L 4W Sense

Installation

1. Remove the cover by loosening the screw on the terminal block base using a T-15 Torx bit.
2. Route your wiring (wires not included) through the hole in the cover. The recommended wire size is 18 gauge or smaller.
3. Connect the wires to the terminals using either the binding posts or by soldering directly to the terminals. For proper strain relief, bundle the wires together and secure them to the base using a cable tie (*see below*).

Note: The terminals are made of low-thermal copper alloys to minimize thermally-induced voltages caused by dissimilar metals. For minimum thermal offset voltages, we recommend that you use the same wire gauge for all connections and use un-plated copper wire.

Note: The Agilent 34171B Input Terminal Block meets or exceeds IEC 61010-1 Safety Standards and can be used in cabling assemblies with voltages up to 1000 Vpk.



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