



15 mm Power Terminal Block

March 27, 2012



15 mm Side Wire Entry Power Terminal Block

Product Details

Electrical

- Wire Range 20-1 AWG
 - Wire opening size 8.7X8.2 mm
- Current Rating 130A (field wiring) 135 A (factory wiring)
- Voltage Rating 600V
- Contact resistance 15 Milliohms Max

Mechanical

- PCB thickness 2.4 mm Max
- PCB Hole Diameter 1.6 mm Min
- Screw torque 2.1-2.5 Nm
- Stripping length 18 mm
- Operating Temperature -40°C to +110°C

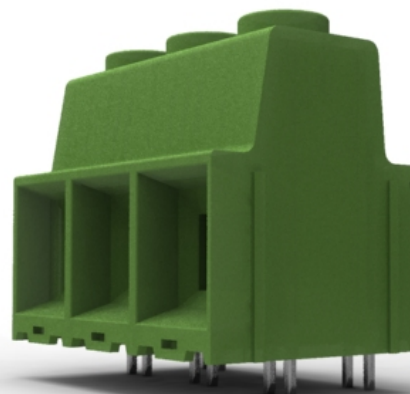
Materials

Housing: polyamide

M5 Screw: nickel plated steel

Clamp: nickel plated steel

Pin: tin plated copper alloy



Target Customers and Markets

- Power supplies
- Variable frequency drives
- Transformers
- Motor controls
- Solar power
- Geothermal systems

Initial Launch Product Details

- Block is available in 2 through 12 position
 - Three styles are available:
 - Side stackable standard 1986713-X
 - Side stackable with polarization pin 1986714-X
 - Connector with mounting flanges 1986715-X
 - Special marking is available upon request
 - Other color options are available upon request

Side Stackable



Side stackable with
Polarization Pins



Polarization pins

With Mounting Flanges



Features and Benefits

Power Connector design allows for:

- **Improved performance** rated for up to 135A Factory and 130A Field wiring and a wire range of 1-20 AWG
- **Sustainable Advantage** by adding the polarization pin feature this prevents incorrect manual assembly of the connector to the board. The mounting flange solution allows for added strength when securing the connector to the PCB and prevents incorrect assembly to the PCB
- **Flexibility** – Three styles available: Side stackable, side stackable with polarization pins and with mounting flanges.
- **Automated** process capable- solderable at a temperature up to 270°C
- **Customizable** – Custom marking and printing available. Blocks can be provided in additional colors.
- **Quality** – assured due to 100% visual inspection

Other Information

- Global Product Manager: Cathy Richard, cathy.richard@te.com
- Product Engineer: Mike Sarver, msarver@te.com

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