Standard Ceramic Terminal Blocks for Internal Wiring

Used for wiring of heater power and thermocouple wiring in high temperature locations.

**Design Features**

- **Maximum Voltage:** 600 VAC
- **Maximum Current:** 20 Amp
- **Maximum Temperature:** 450°C/842°F
- **Wire Gauge:** 20 to 12 ga.
- **Hardware:** Stainless Steel
- **Terminals:** #8 Screw
- **Body Material:** Steatite

**Ceramic Wire Nut Connectors**

<table>
<thead>
<tr>
<th>Stock Number</th>
<th>MFR Part Number</th>
<th>Wire Range (Solid or Stranded Wire)</th>
<th>Skirt Length</th>
<th>Opening ID</th>
<th>Outer Diameter</th>
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<tbody>
<tr>
<td>EHD-114-102</td>
<td>10-401</td>
<td>2#22</td>
<td>.687&quot;</td>
<td>.250&quot;</td>
<td>.406&quot;</td>
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<tr>
<td>EHD-114-103</td>
<td>10-405</td>
<td>2#20, 2#18, 2#16</td>
<td>.750&quot;, .843&quot;</td>
<td>.312&quot;, .406&quot;</td>
<td>.484&quot;, .531&quot;</td>
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<tr>
<td>EHD-114-104</td>
<td>10-407</td>
<td>2#16</td>
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<td>.312&quot;</td>
<td>.484&quot;</td>
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<tr>
<td>EHD-114-105</td>
<td>–</td>
<td>1#16 + 1#14, 1#14 + 2#12</td>
<td>1.00&quot;</td>
<td>.468&quot;</td>
<td>.703&quot;</td>
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</table>

**SPECIFICATIONS**

- **Material:** Porcelain
- **Maximum Temperature Rating:** 1200°F (645°C)
- **Maximum Voltage:** 300V
- **Agency Approvals:** UL and CSA for EHD-114-102, EHD-114-103 and EHD-114-104 (UL File E9809)

<All Items Available from Stock>
Ceramic Terminal Blocks (Enclosed Terminals)
Used for wiring of heater power and thermocouple wiring in high temperature locations.

**Design Features**
- **Maximum Voltage:** 380 V AC
- **Maximum Current:** 30 Amp
- **Maximum Temperature:** 240°C/464°F
- **Wire Gauge:** 26 to 12 ga. stranded, 26-14 solid
- **Screw:** M3, zinc plated steel
- **Terminal Body:** Nickel plated brass
- **Body Material:** Porcelain
- **Agency Approvals:** CE & VDE

![Part Number: EHD-108-116]
![Part Number: EHD-108-117]
![Part Number: EHD-108-118]

Ceramic Heavy Duty Terminal Blocks (Enclosed Terminals)
Used for wiring of heater power and thermocouple wiring in high temperature locations.

**Design Features**
- **Maximum Voltage:** 600 V AC
- **Maximum Current:** 50 Amp
- **Maximum Temperature:** 200°C/392°F
- **Wire Gauge:** 14 to 8 ga.
- **Screw:** M4, zinc plated steel
- **Terminal Body:** Nickel plated brass
- **Body Material:** Porcelain
- **Agency Approval:** UL, File # E69841

![Part Number: EHD-108-114]
![Part Number: EHD-108-115]

Stock Number: EHD-108-114  MFR Part Number: 4010-B
Stock Number: EHD-108-115  MFR Part Number: 4011-B

*All Items Available from Stock*
Ceramic Terminal Blocks

Heavy Duty High Temperature Ceramic Line Wiring Blocks (Exposed Terminals)

Used for interfacing heater assemblies, CRA housings and ARA arrays to external line wiring.

**Design Features**
- Maximum Voltage: 500 VAC
- Maximum Current: 44 Amp @ 104°F ambient
- Maximum Temperature: 240°C/464°F
- Wire Gauge: 18 to 8 ga.
- Terminal Screw: M4, zinc-plated steel
- Body Material: Steatite
- Agency Approvals: None

**Optional Terminal Hardware**

**Stainless Steel Flat Washer** — Part Number: WAS-109-101
- Part Number: EHD-108-106
- Part Number: EHD-108-107
- Part Number: EHD-108-108
- Part Number: EHD-108-109
- Part Number: EHD-108-105

**Spring Lock Washers** — Part Number: WAS-118-108
- Part Number: WAS-109-101

*All Items Available from Stock*

View Product Inventory @ www.tempco.com
Stock Ceramic Accessories

Secondary Insulating Bushings
Used to mount finned strip heaters in air heating applications. Also can be used when it is necessary to electrically isolate the heater from ground.

When Insulating Bushings are required, a 1/2" × 5/8" slot is substituted for the standard slot size (5/16" × 1/2").

Insulating Bushing Assembly
Part Number: CERR-1001

NOTE: Two assemblies are required for each heater.

When using secondary insulating bushings, the heater must be guarded to avoid any accidental contact. The guard must be electrically isolated from the heater and must be properly grounded.

Ceramic Beads
Used to insulate bare lead wire at extremely high temperatures.

<table>
<thead>
<tr>
<th>O.D. (in)</th>
<th>I.D. (in)</th>
<th>Length</th>
<th>Packaging</th>
<th>Sold By</th>
<th>Part Number</th>
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<td>.110</td>
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<td>.068</td>
<td>.170</td>
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<td>.092</td>
<td>.200</td>
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<tr>
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<td>.203</td>
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<td>Piece</td>
<td>CER-103-108</td>
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</tbody>
</table>

Ceramic Covers for Insulating Screw Terminals
Used on the following heaters:
Mica Band • Ceramic Band • Mi-Plus® • Channel Strip • Finned Strip • Mica Strip

Provides an electrically safe environment on standard screw terminals.
Can be field retrofit or factory installed.

Igloo™ Ceramic Caps
Thread Part Number
10-32 CER-102-101
10-24 CER-102-104
8-32 CER-102-105
Caps fit all Igloo™ bases below.

Ceramic Cap
Thread Part Number
10-32 CER-102-101
10-24 CER-102-104
8-32 CER-102-105
All three caps fit conventional base.

Conventional Ceramic Base
Use with insulated terminals only.
Part Number: CER-101-101

Ceramic Cap CER-102-103 and Base CER-101-103 below are primarily used on cast-in .430 diameter tubular heating elements

Description
Ceramic Cap w/10-32 thread
Ceramic Base – .430 diameter
Part Number
CER-102-103
CER-101-103

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