Accessories

Ceramic Terminal Blocks & Connectors

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 V AC
- **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

**Part Number: EHD-114-102**

<table>
<thead>
<tr>
<th>Wire Range</th>
<th>Skirt Length</th>
<th>Opening ID</th>
<th>Outer Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2#22, 1#18 + 1#16</td>
<td>.687&quot;</td>
<td>.250&quot;</td>
<td>.406&quot;</td>
</tr>
<tr>
<td>2#20, 2#16</td>
<td>.750&quot;</td>
<td>.312&quot;</td>
<td>.484&quot;</td>
</tr>
<tr>
<td>2#18, 2#14</td>
<td>.843&quot;</td>
<td>.406&quot;</td>
<td>.531&quot;</td>
</tr>
</tbody>
</table>

**Part Number: EHD-114-103**

<table>
<thead>
<tr>
<th>Wire Range</th>
<th>Skirt Length</th>
<th>Opening ID</th>
<th>Outer Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>2#22, 1#18 + 1#16</td>
<td>.687&quot;</td>
<td>.250&quot;</td>
<td>.406&quot;</td>
</tr>
<tr>
<td>2#20, 2#16</td>
<td>.750&quot;</td>
<td>.312&quot;</td>
<td>.484&quot;</td>
</tr>
<tr>
<td>2#18, 2#14</td>
<td>.843&quot;</td>
<td>.406&quot;</td>
<td>.531&quot;</td>
</tr>
</tbody>
</table>

**Part Number: EHD-114-104**

<table>
<thead>
<tr>
<th>Wire Range</th>
<th>Skirt Length</th>
<th>Opening ID</th>
<th>Outer Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>1#16 + 1#14, 1#14 + 2#12</td>
<td>1.00&quot;</td>
<td>.468&quot;</td>
<td>.703&quot;</td>
</tr>
</tbody>
</table>

Ceramic Wire Nut Connectors

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Wire Range</th>
<th>Skirt Length</th>
<th>Opening ID</th>
<th>Outer Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>EHD-108-121</td>
<td>#8 × 7/8 Pan Head Sheet Metal Screws</td>
<td>#8 External Tooth Lockwashers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

SPECIFICATIONS

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

<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](image1)

![Part Number: EHD-108-117](image2)

![Part Number: EHD-108-118](image3)

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 Approvals:** UL File #E69841

![Part Number: EHD-108-114](image4)

![Part Number: EHD-108-115](image5)

(800) 323-6859  •  Email: sales@tempco.com

CONTINUED

15-11
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

Spring Lock Washers — Part Number: WAS-118-108

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

All Items Available from Stock

View Product Inventory @ www.tempco.com
**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" x 5/8" slot is substituted for the standard slot size (5/16" x 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 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**

<table>
<thead>
<tr>
<th>Thread</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-32</td>
<td>CER-102-101</td>
</tr>
<tr>
<td>10-24</td>
<td>CER-102-104</td>
</tr>
<tr>
<td>8-32</td>
<td>CER-102-105</td>
</tr>
</tbody>
</table>

Caps fit all Igloo™ bases below.

**Ceramic Cap**

<table>
<thead>
<tr>
<th>Thread</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-32</td>
<td>CER-102-101</td>
</tr>
<tr>
<td>10-24</td>
<td>CER-102-104</td>
</tr>
<tr>
<td>8-32</td>
<td>CER-102-105</td>
</tr>
</tbody>
</table>

*All three caps fit conventional base.*

---

**Igloo™ Ceramic Bases**

<table>
<thead>
<tr>
<th>Type</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Double Port In-Line</td>
<td>CER-101-104</td>
</tr>
<tr>
<td>Double Port 90°</td>
<td>CER-101-106</td>
</tr>
<tr>
<td>Single Port</td>
<td>CER-101-107</td>
</tr>
</tbody>
</table>

---

**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