VIZ-75 and VIZ-11
Indoor voltage transformers

The VIZ-75 and VIZ-11 indoor voltage transformers are designed for service in metalclad switchgear and are used for metering, relaying, or control power.

Product features
- VIZ-75: 8.7 kV, 75 kV BIL
- VIZ-11: 15 kV, 110 kV BIL
- Indoor, 60 Hertz
- Primary volts: 2400 - 14400
- UL Recognized Component, File No. E148620

Application
The VIZ-75 and VIZ-11 indoor voltage transformers are designed for service in metalclad switchgear and are used for metering, relaying, or control power. Both units are available in single, double, and tapped secondary designs with two accuracy and thermal rating options.

Construction features
The primary and secondary coils are wound using special winding and shielding techniques for improved voltage stress distribution. The coils are designed to withstand continuous operation at either 1.1 or 1.25 times the line-to-line voltage level for Z burden units and 1.9 times the line-to-ground voltage level for Y burden units.

Each coil is insulated with mylar film to provide a high dielectric strength between layers. The coils and core are combined to create a complete winding structure that is assembled to a support frame. The entire assembly is vacuum cast in polyurethane for added insulation and protection.

Fuse classifications
These units are provided with three fuse classifications: mounted fuse with hardware, unfused with hardware, or unfused without hardware. Optional fuse kits are offered to convert unfused styles to fused styles.

Mounting
The VIZ-75 and VIZ-11 can be mounted in upright, cantilever, or upside-down positions.

Test reports
Test reports are stored electronically and can be e-mailed in various formats at the time of shipment.

Standards
This unit can be tested to all applicable IEEE, CSA, or IEC standards as requested.
### Unfused (approximate weight 65 lbs.)

- **Baseplate dimensions**

### Fused with one fuse (approximate weight 67 lbs.)

- **Unit dimensions (inches [mm])**

### Fused with two fuses (approximate weight 69 lbs.)

- **Unit dimensions (inches [mm])**

### Baseplate dimensions

- **Dimensions**

---

**Table:**

<table>
<thead>
<tr>
<th>Compression Type Terminals</th>
<th>Voltage Rating</th>
<th>Decal BOTH Sides</th>
<th>Nameplate</th>
</tr>
</thead>
<tbody>
<tr>
<td>FOR #8 TO #2 WIRE</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Dimensions (inches [mm]):**

- Ø.44 HOLE 2-TOTAL
- .44 x 2.44 SLOT 2-TOTAL
- 2.00 [51]
- 4.00 [102]
- 2.00 [51]
- 4.00 [102]
- 4.00 [102]
- 4.00 [102]
- 2.00 [51]
- 4.00 [102]
- 4.00 [102]
- 2.00 [51]
- 4.00 [102]
## Optional accessories

Fuse kits to convert unfused VIZ-75 or VIZ-11 to fused style:

- **For line-to-line units:**
  - Fuse kit (two fuses and hardware) 7525A66G01
  - Fuse kit (two fuses and hardware) 7525A66G02
  - Fuse kit (two fuses and hardware) 7525A66G03
  - Fuse kit (two fuses and hardware) 7525A66G04

- **For line-to-ground units:**
  - Fuse kit (one fuse and hardware) 7525A66G02
  - Fuse kit (one fuse and hardware) 7525A66G08

## Replacement fuses:

- CLE-PT, 0.5, 15.5 kV: 50C5225G03
- CLE-PT, 1.0, 15.5 kV: 50C5225G08

### Selection guide: line-to-line units

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>IEEE metering accuracy</th>
<th>Rated voltage factor</th>
<th>Frequency</th>
<th>Style number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIZ-75 line-to-line</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2400/4160Y</td>
<td>120</td>
<td>20:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G01, 7525A70G01, 9628A17G01, 7525A67G01</td>
</tr>
<tr>
<td>4200/7280Y</td>
<td>120</td>
<td>35:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G02, 7525A70G02, 9628A17G02, 7525A67G02</td>
</tr>
<tr>
<td>4800/8320Y</td>
<td>120</td>
<td>40:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G03, 7525A70G03, 9628A17G03, 7525A67G03</td>
</tr>
<tr>
<td>7200/7200Y</td>
<td>120</td>
<td>60:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G04, 7525A70G04, 9628A17G04, 7525A67G04</td>
</tr>
</tbody>
</table>

### Selection guide: for line-to-ground units

<table>
<thead>
<tr>
<th>Primary voltage</th>
<th>Secondary voltage</th>
<th>Winding ratio</th>
<th>IEEE metering accuracy</th>
<th>Rated voltage factor</th>
<th>Frequency</th>
<th>Style number</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VIZ-75 line-to-ground</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2400/4160GY</td>
<td>120</td>
<td>20:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G01, 7525A71G01</td>
</tr>
<tr>
<td>4200/7280GY</td>
<td>120</td>
<td>35:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G02, 7525A71G02</td>
</tr>
<tr>
<td>4800/8320GY</td>
<td>120</td>
<td>40:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G03, 7525A71G03</td>
</tr>
<tr>
<td>7200/7200GY *</td>
<td>120</td>
<td>60:1</td>
<td>0.3Z</td>
<td>1.1</td>
<td>60</td>
<td>7525A66G04, 7525A71G04</td>
</tr>
</tbody>
</table>

### Optional accessories

- Fuse kits to convert unfused VIZ-75 or VIZ-11 to fused style:
  - For line-to-line units: Fuse kit (two fuses and hardware) 7527A98G01
  - For line-to-ground units: Fuse kit (one fuse and hardware) 7527A98G02

- Replacement fuses:
  - CLE-PT, 0.5, 15.5 kV: 50C5225G03
  - CLE-PT, 1.0, 15.5 kV: 50C5225G08

### Additional styles available upon request, including 50 Hz styles. Contact your ABB sales representative or call +1-252-827-3212 for more information.

**Thermal rating:** 1500 VA @ 30°C, 1000 VA @ 55°C

* Accuracy defined at rated line voltage. All dielectric tests per nominal operating voltage according to IEEE C57.13-2016, table 2.