The customer benefits and values offered by the AVD DC control contactor include:

- Patented arc chute design allows maximum switching loads of 2000 Vdc in a compact design
- Continuous duty operating and blowout coils with a variety of voltages (28–230 Vdc) to facilitate seamless interface with existing installed-base and control systems
- Screw-type or faston control terminals on the auxiliary contacts are ideal for connections in railway systems applications
- Rugged devices with high dielectric and mechanical strength offering longer operating life
- Bi-directional interrupting capability
- Transient suppression capability available as an option
- Easy accessibility to wear parts minimizes labor costs and time for inspection, maintenance and repair
- Designed to mount directly on a flat metal panel
- Auxiliary contacts available in any combination of normally open (NO) and normally closed (NC) circuits, up to a maximum of four contacts

### Electrical ratings

- **Contactor rating**
  - Voltage rating is 2000 Vdc
  - Continuous open air current rating is 1400A at 85ºC ambient
  - Let-through current rating is 20,000A
  - Maximum break current is 3000A
  - Main pole configuration is SPNO
  - Electrical creepage and clearance distances up to 2000 Vdc
- **Interlock rating**
  - 5A resistive or 3A inductive at 74 Vdc
  - 3A resistive or 2A inductive at 115 Vdc

### Endurance ratings

- Mechanical life is 2.5 million operations
- Electrical life is application dependent; consult factory

### Environmental ratings

- Operating temperature: –40 to 85ºC
- Storage temperature: –40 to 85ºC
### AVD Approximate Dimensions in Inches (mm), and Shipping Weight

**ARC Clearances**

<table>
<thead>
<tr>
<th>2000 Volt in Inches (mm)</th>
<th>Front</th>
<th>Top</th>
<th>Sides</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front</td>
<td>2.00 (50.8)</td>
<td>2.00 (50.8)</td>
<td>1.00 (25.4)</td>
</tr>
</tbody>
</table>

Shipping Weight 70 Lbs (31.8 kg)