The D-Series DC control contactors from Eaton’s Electrical Sector were designed specifically to meet requirements for railway systems applications.

The D-contactor is a single-pole normally open, load break, bi-directional definite-purpose DC contactor. Two devices are available, rated at 1800A or 3000A at 750 Vdc.

Eaton’s rugged, high-performance DC control contactors are excellent for industries demanding reliable control devices.

The customer benefits and values offered by the D-Series DC control contactors include:

- Compact design with high load capacities of 1800 or 3000A at 750 Vdc
- Continuous-duty operating coil with a variety of voltages to facilitate a costless interface with existing control systems
- Screw-type or faston control terminals on the auxiliary contacts are ideal for connections in railway systems and oil/gas drilling applications
- Rugged devices with high dielectric strength
- Designed to mount directly on a channel or angle frame, but adaptable for mounting on a flat panel
- Optional coil suppressor reduces voltage spike
- Easy accessibility to wear parts minimizes labor costs and time for inspection, maintenance and repair
- Auxiliary contacts available in any combination of normally open (NO) and normally closed (NC) circuits, up to a maximum of eight contacts
- Bi-directional interrupting capability

**Electrical ratings**

- Contactor rating
  - Voltage rating is 750 Vdc
  - Continuous open air current rating is 1800/3000A
  - 5000A resistive interrupt rating
- Electrical creepage and clearance up to 1500 Vdc
- Main pole configuration is SPNO
- Interlock rating
  - 5A resistive or 3A inductive at 74 Vdc
  - 3A resistive or 2A inductive at 115 Vdc

**Endurance ratings**

- Mechanical life is 2 million operations
- Electrical life of approximately 30,000 operations

**Environmental ratings**

- Operating temperature: –40 to 55°C
- Storage temperature: –40 to 65°C

DC power control devices

D-Series DC control contactors

EATON

Powering Business Worldwide
D-Contactor Approximate Dimensions in Inches (mm), and Shipping Weight

**D-Contactor Approximate Dimensions in Inches (mm), and Shipping Weight**

**ARC Clearances**

<table>
<thead>
<tr>
<th>Type of Load</th>
<th>750 Volt in Inches (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Front</td>
</tr>
<tr>
<td>Resistive</td>
<td>4.00 (101.6)</td>
</tr>
<tr>
<td>Inductive</td>
<td>7.00 (177.8)</td>
</tr>
</tbody>
</table>

Shipping Weight 43 Lbs (19.5 kg)