The Reduced Silver series are suitable for applications where infrequent switching is specified. In such applications the degradation of the tip is minimal and therefore a higher volume of silver is unnecessary. The RW150 is designed for use in telecommunications and power distribution applications where an uninterrupted current load is switched. These contactors are primarily for use with Direct Current loads but can also be used with Alternating Currents.

<table>
<thead>
<tr>
<th>Application</th>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermal Current Rating (60% U)</td>
<td>150A</td>
</tr>
<tr>
<td>Intermittent Current Rating:</td>
<td></td>
</tr>
<tr>
<td>30% Duty</td>
<td>275A</td>
</tr>
<tr>
<td>40% Duty</td>
<td>235A</td>
</tr>
<tr>
<td>50% Duty</td>
<td>210A</td>
</tr>
<tr>
<td>60% Duty</td>
<td>195A</td>
</tr>
<tr>
<td>70% Duty</td>
<td>180A</td>
</tr>
</tbody>
</table>

Rated fault current breaking capacity (in accordance with UL508F): 225A at 60V D.C.

Maximum recommended contact voltages (U_e):
- RW150: 60V D.C.

Typical voltage drop per pole across new contacts at 150A: 50mV

Mechanical durability: > 1 x 10⁶ cycles

Coil voltage available (U_r) (Rectifier board required for A.C.): From 6 to 240V A.C./D.C.

Coil power dissipation:
- Highly Intermittent Rated Types: 20 - 30 Watts
- Intermittently Rated types: 15 - 20 Watts
- Prolonged Rated Types: 13 - 15 Watts
- Continuously Rated Types: 7 - 13 Watts

Maximum pull-in voltage (Coil at 20°C) Guideline:
- Highly Intermittent Rated types (Max 25% Duty Cycle): 60% U_e
- Intermittently Rated types (Max 70% Duty Cycle): 60% U_e
- Prolonged Operation (Max 60% Duty Cycle): 60% U_e
- Continuously Rated Types (100% Duty Cycle): 66% U_e

Drop-out voltage range: 10 - 30% U_e

Typical pull-in time: 15ms

Typical drop-out time: (N/O contacts to open):
- Without suppression: 6ms
- With diode suppression: 35ms
- With diode and resistor (subject to resistance value): 5 - 20ms
- Typical contact bounce period: < 5ms
- Operating ambient temperature: -40°C to +60°C

Guideline: Contactor weight:
- RW150: 410gms
- With auxiliary: + 20gms

Auxiliary details:
- Auxiliary thermal current rating: 5A
- Auxiliary contact switching capabilities (resistive load):
  - RW150C: 5A at 24V D.C.
  - RW150A: 2A at 48V D.C.
  - 0.5A at 240V D.C.

Advised connection sizes for maximum continuous current:
- Copper busbar: 114mm² (0.177 inch²)
- Cable: Rated suitable for application

Key: ○ = Standard  ✗ = Not available  ❌ = Uninterrupted

Note: Where applicable values shown are at 20°C

* Please check our web site for product UL status

Performance data provided should be used as a guide only. Some de-rating or variation from figures may be necessary according to application. Thermal current ratings stated are dependent upon the size of conductor being used.

Other further technical advice email: technical@albrightinternational.com

Albright reserve the right to change data without prior notice.

The RW150 features double breaking main contacts with silver alloy tips which are weld resistant, hard wearing and have excellent conductivity. Silver plating on the main contacts is optional for the RW150. The RW150 is a compact contactor which can be busbar mounted vertically or horizontally, if mounted vertically the coil should be at the bottom. If the coil is required at the top, we can adjust the contactor to compensate for this.

**Contact Performance Key:**
- **Uninterrupted current** - no or infrequent load switching requirements (maintains a lower contact resistance).

**RW150 Contactor Performance**

**RW150 Available Options**

<table>
<thead>
<tr>
<th>General</th>
<th>Suffix</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auxiliary Contacts</td>
<td>○ A</td>
</tr>
<tr>
<td>Auxiliary Contacts - V3</td>
<td>○ C</td>
</tr>
<tr>
<td>Magnetic Blowouts1</td>
<td>X</td>
</tr>
<tr>
<td>Magnetic Blowouts - High Powered1</td>
<td>X</td>
</tr>
<tr>
<td>Armature Cap</td>
<td>X</td>
</tr>
<tr>
<td>Mounting Brackets (See Busbar Series Catalogue)</td>
<td>☑</td>
</tr>
<tr>
<td>Magnetic Latching2 (Not fail safe)</td>
<td>○ M</td>
</tr>
<tr>
<td>Closed Contact Housing</td>
<td>X</td>
</tr>
<tr>
<td>Environmentally Protected IP66</td>
<td>X</td>
</tr>
<tr>
<td>EE Type (Steel Shroud)</td>
<td>X</td>
</tr>
</tbody>
</table>

**Connections**
- Textured Tips | ○ T |
- Silver Plating | ○ |

**Coil**
- AC Rectifier Board (Fitted) | ○ |
- Diode Suppression1 | ○ |
- Flying Leads | ○ F |
- Manual Override Operation | ☑ |
- M4 Stud Terminals | X |
- M5 Terminal Board | ○ |
- Vacuum Impregnation | ○ |

Key: Optional: ○ Standard: ● Not Available: X

1 Connections become polarity sensitive