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. Developed for Uninterrupted current applications the RW200 is typically used in line contactors and Power Distribution Systems.

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

The RW200 features single pole single throw, double breaking main contacts with silver alloy tips, which are weld resistant, hard wearing and have excellent conductivity. The RW200 has M10 stud main terminals and 6.3mm spade coil connections. It can be mounted via M5 tapped holes or mounting brackets – either supplied fitted, or as separate items. Mounting can be horizontal or vertical, when vertical the M10 contact studs should point upwards. If the requirement is for downwards orientation we can adjust the contactor to compensate for this.

**Application Interrupted Uninterrupted**

<table>
<thead>
<tr>
<th>Thermal Current Rating (lbs)</th>
<th>Uninterrupted</th>
</tr>
</thead>
<tbody>
<tr>
<td>400A</td>
<td></td>
</tr>
<tr>
<td>600A</td>
<td></td>
</tr>
<tr>
<td>1000A</td>
<td></td>
</tr>
<tr>
<td>1400A</td>
<td></td>
</tr>
</tbody>
</table>

**Intermittent Duty Rating:**

- 60% Duty: 730A
- 40% Duty: 630A
- 50% Duty: 565A
- 60% Duty: 515A
- 70% Duty: 480A

**Rated Fault Breaking Capacity (on) 5ms Time Constant:**

- RW200: 1500A at 96V
- RW200N: 1500A at 48V

**Maximum Recommended Contact Voltages (U):**

- RW200: 96V D.C.
- RW200N: 48V D.C.

**Typical Voltage Drop per pole across New Contacts at 400A:**

- 40mV

**Mechanical Durability:**

- >5 x 10⁶ Cycles

**Coil Voltage Available (U):**

- From 6 to 240V D.C.

**Coil Power Dissipation:**

- Highly Intermittent Rated Types: 60 - 80 Watts
- Intermittently Rated types: 30 - 60 Watts
- Prolonged Rated Types: 21 - 30 Watts
- Continuously Rated Types: 13 - 21 Watts

**Maximum Pull-In Voltage (Coil at 20°C) Guideline:**

- Highly Intermittent Rated Types (Max 25% Duty Cycle): 60% U (Max 70% Duty Cycle)
- Intermittently Rated types (Max 90% Duty Cycle): 60% U
- Prolonged Operation (Max 100% Duty Cycle): 66% U (Max 90% Duty Cycle)
- Drop-Out Voltage Range: 10 - 20% U

**Typical Pull-In Time (N/O Contacts to Close):**

- 40ms

**Typical Drop-Out Time (N/O Contacts to Open):**

- Without Suppression: 10ms
- With Diode Suppression: 100ms
- With Diode and Resistor (Subject to resistance value): 30ms

**Typical Contact Bounce Period:**

- 3ms

**Operating Ambient Temperature:**

- -40°C to +60°C

**Guideline Contactor Weight:**

- RW200N: 1300 gms
- With Auxiliary: +20 gms
- With Blowouts: +50 gms

**Auxiliary Details**

- **Auxiliary Thermal Current Rating:** 5A
- **Auxiliary Contact Switching Capabilities (Resistive Load):**

<table>
<thead>
<tr>
<th>RW200C</th>
<th>RW200A</th>
</tr>
</thead>
<tbody>
<tr>
<td>5A at 24V D.C.</td>
<td></td>
</tr>
<tr>
<td>2A at 48V D.C.</td>
<td></td>
</tr>
<tr>
<td>0.5A at 240V D.C.</td>
<td></td>
</tr>
</tbody>
</table>

**Advised Connection Sizes for Maximum Continuous Current**

- Copper busbar: 260mm² [0.40inch²]
- Cable: Rated suitable for Application

**Note:** Where applicable values shown are at 20°C

**Key:**

- = Uninterrupted

**Contact Performance Key:**

- Uninterrupted Current

**Connection Diagram**

**RW200 Contactor Performance**

**Dimensions in mm [inches]**

- RW200A (Auxiliary Contacts)

**RW200 Available Options**

- **General**
  - Suffix
  - Auxiliary Contacts - V3
  - Magnetic Blowouts
  - Armature Cap
  - Mounting Brackets
  - Magnetic Latching
  - Closed Contact Housing
  - Environmentally Protected IP66
  - EE Type (Steel Shroud)

**Contacts**

- Textured Tips
- Silver Plating

**Coil**

- AC Rectifier Board (Fitted)
- Coil Suppression
- Flying Loads
- Manual Override Operation
- M4 Stud Terminals
- M5 Terminal Board
- Vacuum Impregnation

**Key:** Optional Standard Not Available