Low-voltage retrofit replacement circuit breakers provide a cost-effective way to upgrade to current technology while increasing equipment reliability and minimizing downtime.

Siemens RLW circuit breakers are replacements for Siemens RL circuit breakers that utilize the reliable and flexible Siemens WL circuit breaker as the core operating mechanism and main contacts.

Why replacement breakers?
- Preserved investment in switchgear
- Reduced downtime and minimal changeover time during upgrade
- Increased reliability and performance
- Improved employee safety

Why Siemens?
- Direct-rack connection maintains the existing primary current-carrying path without modifications or intermediate connections
- WL operator is less prone to nuisance tripping
- A variety of trip modules for all applications and functionality
- Secondary contacts are mounted on the front for safe, easy access
- Remote operation and monitoring for safety
- 24/7 support line

Reliable
This highly engineered reliable design offers increased operations and the Extended Instantaneous Protection (pat. pending) function allowing 100% of the full withstand rating of the frame and still providing the ability of the breaker to be applied up to the maximum Interrupting Rating. Highly accurate internal Rogowski CTs allow for precision protection and metering – saving money on downtime, field service, and increased customer satisfaction.

Easy-to-use
The ease-of-use – from integrated racking handles, pull- apart, front-mounted terminal blocks, and simple selection and application tools – reduces installation time and errors, adds flexibility, and minimizes training.

Speed of delivery
Located in the United States, our production facility is positioned to deliver your retrofit breakers within your time frame needed.

Safety related features
- Visible, ready-to-close indicator
- Customizable interlocking, and mechanical trip indication
- Available Siemens Dynamic Arc Sentry (DAS) provides an arc flash mitigation mode to lower the possible arc flash energy
- Available Sarracs® Safety Remote Racking System

USA 240/480/600 VAC at 22-200 kA, 800-5,000 amperes

Electronic Trip Units (ETUs)
- Alphanumeric or Graphical Display
- Power Metering
- Protective Relaying
- Alarm Functions
- Event Logs
- Zone Selective Interlocking (ZSI)
- Dynamic Arc Sentry (DAS)
- Communication Protocols
RLW Low-Voltage Power Circuit Breaker Ratings at 50/60 Hz

<table>
<thead>
<tr>
<th>Replacement Circuit Breaker</th>
<th>Continuous Current</th>
<th>Fuse Rating</th>
<th>Interrupting Current Rating</th>
<th>Rated Max. Volts</th>
<th>Applicable Rating Plug Range</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Amperes</td>
<td>Amperes</td>
<td>kAIR RMS</td>
<td>VAC</td>
<td>Amperes</td>
</tr>
<tr>
<td>RLW-800</td>
<td>800</td>
<td>NA</td>
<td>22-42</td>
<td>22-42</td>
<td>22-42</td>
</tr>
<tr>
<td>RLW-1600</td>
<td>1600</td>
<td>NA</td>
<td>50-65</td>
<td>50-65</td>
<td>50-65</td>
</tr>
<tr>
<td>RLW-3200</td>
<td>3200</td>
<td>NA</td>
<td>65-85</td>
<td>65-85</td>
<td>65-85</td>
</tr>
<tr>
<td>RLW-4000</td>
<td>4000</td>
<td>NA</td>
<td>85-100</td>
<td>85-100</td>
<td>85-100</td>
</tr>
<tr>
<td>RLW-5000</td>
<td>5000</td>
<td>NA</td>
<td>85</td>
<td>85</td>
<td>85</td>
</tr>
<tr>
<td>RLFW-800</td>
<td>800</td>
<td>250-1600</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
<tr>
<td>RLFW-1600</td>
<td>1600</td>
<td>800-3000</td>
<td>200</td>
<td>200</td>
<td>200</td>
</tr>
</tbody>
</table>

RLW, RLF, RLX, and RLH circuit breakers are replaced with their adequately rated RLW variant.

Primary Dimensions (inches) - Matching Existing Bus

<table>
<thead>
<tr>
<th></th>
<th>RLW-800</th>
<th>RLW-1600</th>
<th>RLW-2000</th>
<th>RLW-3200</th>
<th>RLW-4000</th>
<th>RLW-5000</th>
<th>RLFW-800</th>
<th>RLFW-1600</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6.50</td>
<td>6.50</td>
<td>6.50</td>
<td>7.00</td>
<td>7.00</td>
<td>7.00</td>
<td>6.50</td>
<td>6.50</td>
</tr>
<tr>
<td>B</td>
<td>6.00</td>
<td>6.00</td>
<td>6.00</td>
<td>7.00</td>
<td>7.50</td>
<td>9.50</td>
<td>6.00</td>
<td>6.00</td>
</tr>
<tr>
<td>C</td>
<td>6.00</td>
<td>6.00</td>
<td>6.00</td>
<td>7.00</td>
<td>7.50</td>
<td>9.50</td>
<td>6.00</td>
<td>6.00</td>
</tr>
</tbody>
</table>

Reference Figure 1

Figure 1: Sample Dimension Diagram

Siemens Industry, Inc.
7000 Siemens Road
Wendell, NC 27591

For more information, please contact our Customer Support Center.
Phone: 1-800-333-7421
usa.siemens.com

Order No: EMTS-B40042-00-4AUS
Printed in USA
©2018 Siemens Industry, Inc.

The technical data presented in this document is based on an actual case or on as-designed parameters, and therefore should not be relied upon for any specific application and does not constitute a performance guarantee for any projects. Actual results are dependent on variable conditions. Accordingly, Siemens does not make representations, warranties, or assurances as to the accuracy, currency or completeness of the content contained herein. If requested, we will provide specific technical data or specifications with respect to any customer’s particular applications. Our company is constantly involved in engineering and development. For that reason, we reserve the right to modify, at any time, the technology and product specifications contained herein.