

# RLW low-voltage retrofit replacement circuit breakers

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

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 down time, field service, and increased customer satisfaction.

## Easy-to-use

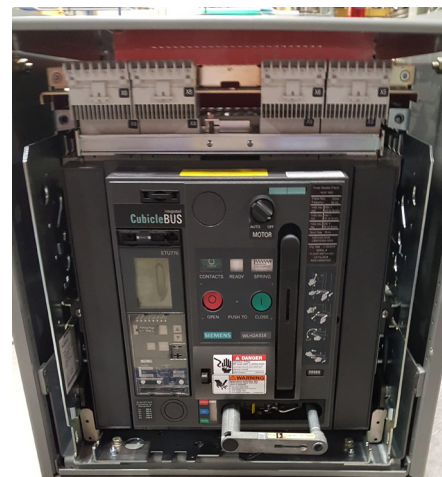
The ease-of-use – from integrated racking handles, pull-apart, front-mounted terminal blocks, and simple selection and application tools – reduces installation time and errors, adds flexibility, and minimizes training.

## 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 Remote Racking System



RLW 1600

## 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

### Analog Trip Units (ATUs)

- Suitable for 1-E and harsh environment applications
- Available with LT, ST, INST & Ground
- Function Selector Switch: LSI, LI, & LS
- Arc Flash Reduction Mode
- Fault Indication output contacts

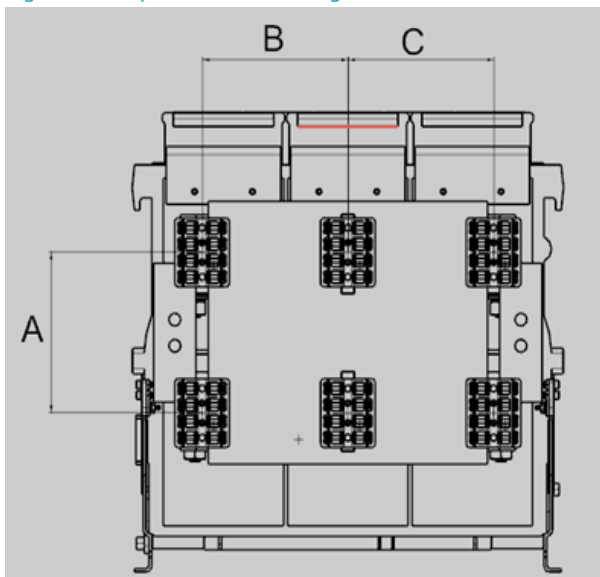
### RLW Low-Voltage Power Circuit Breaker Ratings at 50/60 Hz

Replacement Circuit Breaker	Continuous Current	Fuse Rating	Interrupting Current Rating			Rated Max. Volts	Applicable Rating Plug Range
			240 VAC	480 VAC	600 VAC		
	Amperes	Amperes	kAIR RMS			VAC	Amperes
RLW-800	800	NA	22-42	22-42	22-42	600	200-800
RLW-1600	1600	NA	50-65	50-65	50-65	600	200-1600
RLW-2000	2000	NA	65-85	65-85	65-85	600	200-2000
RLW-3200	3200	NA	65-85	65-85	65-85	600	800-3200
RLW-4000	4000	NA	85-100	85-100	85-100	600	800-4000
RLW-5000	5000	NA	85	85	85	600	800-5000
RLFW-800	800	250-1600	200	200	200	600	200-800
RLFW-1600	1600	800-3000	200	200	200	600	200-1600

Primary Dimensions (inches) - Matching Existing Bus								
	RLW-800	RLW-1600	RLW-2000	RLW-3200	RLW-4000	RLW-5000	RLFW-800	RLFW-1600
A	6.50	6.50	6.50	7.00	7.00	7.00	6.50	6.50
B	6.00	6.00	6.00	7.00	7.50	9.50	6.00	6.00
C	6.00	6.00	6.00	7.00	7.50	9.50	6.00	6.00

Reference Figure 1

Figure 1: Sample Dimension Diagram



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