



**DIRECT CONNECTION TO THE PRIMARY BUS**

# DirectRack RLW™

## low-voltage replacement circuit breakers

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

[usa.siemens.com/lvreplacements](http://usa.siemens.com/lvreplacements)

### Why replacement circuit breakers?

- Increased reliability and performance
- Preserved investment in existing cubicles
- Reduced downtime and minimal changeover time during upgrade
- Improved employee safety

### Why Siemens' DirectRack™ solution?

- **Reliability and performance** with innovative design allowing the new circuit breaker to rack directly to the existing primary bus with no intermediary contacts. Intermediary contacts and associated heat generation can create points of maintenance and failure.

- **Standardized design** with Siemens WL circuit breaker used for the core operator, main contacts, and modular accessories for our complete family of low-voltage replacement circuit breaker designs, reducing spare parts and training requirements.
- **Fully type-tested** to IEEE Std C37.59, ANSI C37.50, and ANSI/IEEE Std C37.13
- **Communication features** including PROFINET IO, Modbus RTUC/TCP, or PROFIBUS
- **Trip units for all applications** including ETU745, ETU776, and analog trip units.



RLW 1,600

**SIEMENS**

## Safety related features

- Visible ready-to-close indicator
- Customizable interlocking and mechanical trip indication
- Secondary contacts are mounted on the front for safe and easy access
- Available Siemens Sm@rt Dynamic Arc-Flash Sentry (DAS) provides an arc flash mitigation mode to lower the possible arc flash energy
- Available remote racking system

## 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		
RLW 800	800	NA	22-42	22-42	22-42	600	200-800
RLW 1,600	1,600	NA	50-65	50-65	50-65	600	200-1,600
RLW 2,000	2,000	NA	65-85	65-85	65-85	600	200-2,000
RLW 3,200	3,200	NA	65-85	65-85	65-85	600	800-3,200
RLW 4,000	4,000	NA	85-100	85-100	85-100	600	800-4,000
RLW 5,000	5,000	NA	85	85	85	600	800-5,000
RLFW 800	800	250-1,600	200	200	200	600	200-800
RLFW 1,600	1,600	800-3,000	200	200	200	600	200-1,600

### Primary Dimensions (inches) – Matching Existing Bus

	RLW 800	RLW 1,600	RLW 2,000	RLW 3,200	RLW 4,000	RLW 5,000	RLFW 800	RLFW 1,600
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

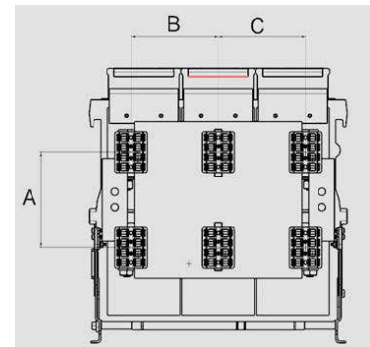


Figure 1: Sample Dimension Diagram

### Legal Manufacturer

Siemens Industry, Inc.  
7000 Siemens Road  
Wendell, North Carolina 27591  
United States of America

Telephone: +1 (800) 347-6659  
usa.siemens.com/lvreplacements

Order No. SIDS-B40167-00-4AUS  
© 09.2021, Siemens Industry, Inc.

This document contains a general description of available technical options only, and its effectiveness will be subject to specific variables including field conditions and project parameters. Siemens does not make representations, warranties, or assurances as to the accuracy or completeness of the content contained herein. Siemens reserves the right to modify the technology and product specifications in its sole discretion without advance notice.