



## DIRECT CONNECTION TO THE PRIMARY BUS

# DirectRack™ low-voltage replacement circuit breakers

Providing a cost-effective way to upgrade to the most current technology while increasing equipment reliability and minimizing downtime.

[siemens.com/lvreplacements](https://www.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 RTU/TCP, or PROFIBUS
- **Trip units for all applications** including ETU745, ETU776, and analog trip units.

The following circuit breaker models are available as pre-engineered designs. Other manufacturers' models can be engineered by customer request.

Manufacturer	Model
Siemens	RL, SB, LA
ABB / ITE	K Line
Westinghouse	DB, DS
GE	AK, AKR

**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

The following circuit breakers are available as pre-engineered designs. Other manufacturers, models, and ratings can be engineered by Siemens at request.

Low-voltage power circuit breaker ratings at 50/60 Hz, ANSI 240/480/600 VAC at 22 - 85 kA, 600 - 4,000 amperes

Manufacturer	Original Model	Replacement Model	Amperage (A)
Siemens / Allis-Chalmers	RL	RLW™	800, 1,600, 2,000, 3,200, 4,000, 5,000
	RLE	RLW	800, 1,600, 2,000, 3,200, 4,000
	RLF	RLF™	800, 1,600
	LA	LAW™	600, 800, 1,600,
General Electric	AK-15/25	AKW™	800*
	AKR-30/H	AKW	800
	AK/AKR-50/H	AKW	1,600

Manufacturer	Original Model	Replacement Model	Amperage (A)
ITE / ABB	K Line	KLW™	800, 1,600, 2,000, 3,000
	K Don	KLFW™	800, 1,600
Westinghouse	DB-15	DBW™	225
	DB-25	DBW	600
	DB-50	DBW	1,600
	DB-100	DBW	4,000
	DS-416	DSW	1,600

\*DC ratings available

### Legal Manufacturer

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

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

Order No. SIDS-B40166-02-4AUS  
© 2024, 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.