



**DIRECT CONNECTION TO THE PRIMARY BUS**

# DirectRack™ KLV™

## 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)

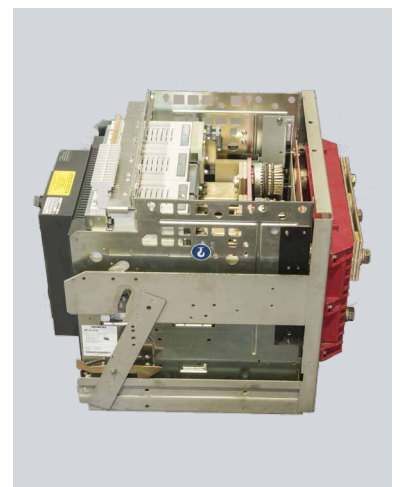
### Why replacement circuit breakers?

- 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.



KLW 2,000

**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

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

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 RMA		
<b>KLV 800</b>	800	NA	42	30	22	600	250-800
<b>KLV 1,600</b>	1,600	NA	65	50	42	600	200-1,600
<b>KLV 2,000</b>	2,000	NA	85	65	55	600	200-2,000
<b>KLV 3,000</b>	3,000	NA	85	65	65	600	800-3,000
<b>KLV 4,000</b>	4,000	NA	130	85	85	600	800-4,000
<b>KLVF 800</b>	800	300-1,000	200	200	200	600	250-800
<b>KLVF 1,600</b>	1,600	1,200-2,500	200	200	200	600	200-1,600

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

	<b>KLV 800</b>	<b>KLV 1,600</b>	<b>KLV 2,000</b>	<b>KLV 3,000</b>	<b>KLV 4,000</b>
A	6.00	6.00	6.00	7.00	7.00
B	3.50	6.00	6.00	7.50	7.50
C	3.50	6.00	6.00	7.50	7.50

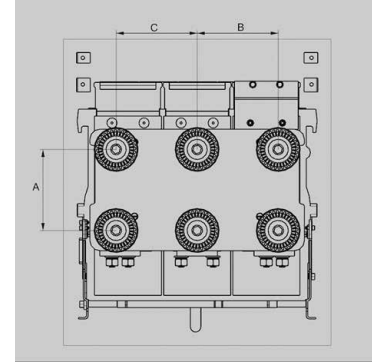


Figure 1: Sample Dimension Diagram

### Legal Manufacturer

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