

# SIEMENS

## Type RL Low Voltage Power Circuit Breakers 800A to 5000A

### Low voltage switchgear just got more powerful.

Siemens introduces a breakthrough in low voltage protection: continuous current ratings to 5000 amps with **no fan cooling** required. It's one more way Siemens helps you meet all your power distribution needs with a single phone call.

The new 5000A rating expands your application options for Siemens reliable low voltage power circuit breakers and switchgear. Now you can support demanding low voltage installations such as generators with a full range of switchgear based on a single, proven design. Having one design dramatically reduces training costs, streamlines your on-going maintenance and slashes your ultimate lifetime cost.

### Higher ratings match today's requirements.

Keeping pace with increased power system capabilities, Siemens type RL low voltage power circuit breakers offer the highest interrupting ratings of any unfused power circuit breaker: 100kA at 480V. These higher rated breakers can be used on high short circuit capacity systems without current limiting fuses. And that translates into real savings on equipment costs and space requirements.

These higher interrupting ratings are matched by increased short time ratings. Now you can use selective coordination of type RL low voltage power circuit breakers to minimize costly power outages.

### Improved mechanism reduces maintenance.

Siemens has made a proven stored-energy mechanism even more durable. As a result, type RL low voltage power circuit breakers now exceed ANSI and UL endurance

requirements without periodic servicing for adjustment or lubrication. Recommended service interval is five years under normal conditions.

This is yet another example of Siemens commitment to our customers, and to total quality performance. At Siemens, we know that quality cannot be inspected into a product, it must be designed in from the start.

### Enhanced Static Trip III™ system offers powerful options.

Type RL low voltage power circuit breakers are equipped with the most capable microprocessor-based trip unit in the industry. The Static Trip III tripping system provides superior protection using RMS sensing – a technology first introduced by Siemens. With Siemens trip units, you get accurate protection, not over-protection or under-protection. Plus Siemens allows you to specify advanced capabilities.

Use your Siemens trip unit as an ammeter by adding digital communications and a local Breaker Display Unit. With communications installed, your trip unit can send its data to an ACCESS™ supervisory computer at a remote location. Specify power metering and your trip unit provides comprehensive real-time and min/max data for 17 power functions. Add extended protective relaying and your Static Trip III trip unit becomes a powerful eight function protective relay.

With Static Trip III trip units, you'll have the sophisticated and proven protection you need... plus you'll have the backbone to the power monitoring and control system you want.

### Specify type RL power circuit breakers.

So if low maintenance, high interrupting capability, and maximum selectivity are what you expect from a low voltage power circuit breaker, turn to type RL circuit breakers. And if reliable overcurrent protection which can communicate power metering and diagnostic information sums up your trip unit needs, specify Static Trip III trip units. Your choice will be backed by quality performance from a company with staying power.

### Features

- Short circuit ratings from 30kA to 130kA unfused; 200kA fused
- Continuous current ratings from 40A to 5000A
- No fan cooling required at any rating
- Voltages from 208V to 600V
- Fully ANSI tested and rated
- UL listed
- Tested as part of cubicle as well as a stand alone breaker



## Type RL Low Voltage Power Circuit Breaker Ratings at 50/60 Hertz

Voltage Ratings		Frame Size (A)	Breaker Type	Insulation Level Dielectric Withstand (V)	Short Time Rating Symmetrical (kA)	Short Circuit Rating Symmetrical Current		Continuous Current Rating (A)
Rated (V)	Rated Max (V)					With Instantaneous Trip (kA)	Without Instantaneous Trip (kA)	
600	635	800	RL-800	2200	30	30	30	40-800
		800	RLE-800		42	65	42	40-800
		800	RLI-800		22	42	22	40-800
		1600	RL-1600		50	65	50	40-1600
		1600	RLE-1600		65	65	65	75-1600
		2000	RL-2000		65	65	65	40-2000
		2000	RLE-2000		85	85	85	75-2000
		3200	RL-3200		65	85	65	600-3200
		3200	RLE-3200		85	85	85	600-3200
		4000	RL-4000		85	100	85	2000-4000
		4000	RLE-4000		100	100	100	2000-4000
		5000	RL-5000		85	100	85	2500-5000
480	508	800	RL-800	2200	30	30	30	40-800
		800	RLE-800		42	65	42	40-800
		800	RLI-800		22	100	22	40-800
		1600	RL-1600		50	65	50	40-1600
		1600	RLE-1600		65	65	65	75-1600
		2000	RL-2000		65	65	65	40-2000
		2000	RLE-2000		85	100	85	75-2000
		3200	RL-3200		65	85	65	600-3200
		3200	RLE-3200		85	85	85	600-3200
		4000	RL-4000		85	100	85	2000-4000
		4000	RLE-4000		100	100	100	2000-4000
		5000	RL-5000		85	100	85	2500-5000
208 & 240	254	800	RL-800	2200	30	42	30	40-800
		800	RLE-800		42	65	42	40-800
		800	RLI-800		22	100	22	40-800
		1600	RL-1600		50	65	50	40-1600
		1600	RLE-1600		65	65	65	75-1600
		2000	RL-2000		65	65	65	40-2000
		2000	RLE-2000		85	100	85	75-2000
		3200	RL-3200		65	85	65	600-3200
		3200	RLE-3200		85	85	85	600-3200
		4000	RL-4000		85	130	85	2000-4000
		4000	RLE-4000		100	130	85	2000-4000
		5000	RL-5000		85	130	85	2500-5000

## Type RL Fused Low Voltage Power Circuit Breaker Ratings at 50/60 Hertz

Voltage Ratings		Frame Size (A)	Breaker Type	Insulation Level Dielectric Withstand (V)	Short Circuit Rating Symmetrical (kA)	Range of Fuse Ratings (A)	Continuous Current Rating (A)
Rated (V)	Rated Max (V)						
208 to 600	600	800	RLF-800	2200	200	250-1600	40-800
		1600	RLF-1600			800-3000	40-1600
		2000	RLF-2000			4000	40-2000
		3200	RLF-3200 & RFC-3200 Fuse Carriage			2000-5000	600-3200
		4000	RLF-4000 & RFC-4000 Fuse Carriage			4000-6000	800-4000
		5000	RLF-5000 & RFC-5000 Fuse Carriage			6000	2500-5000

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Technology that serves the customer.

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