

# Siemens NEXUS™ LTS Load Shedding Automatic Transfer Switch

200 amp service rated, NEMA 3R



## Description

The Nexus™ LTS is designed to allow the most efficient use of the generator by monitoring and managing the backed up selected and non-selected circuits. If the generator approaches overload condition, the non-selected circuits are cycled off, allowing the selected circuits to remain powered. This switch is designed to operate with the digital Nexus controllers that are used on air-cooled and liquid-cooled generators from 8 kW through 48 kW.

## Standard features

The LTS is housed in an aluminum NEMA 3R enclosure. It is service entrance rated at 200 amps and also has a built in 16 circuit priority load center. The main contactor protects the selected priority circuits while the secondary contactor protects the remaining, non-selected circuits located in the existing electrical panel. The cover is side hinged for easy access.

## Contactors rating

The transfer switch contactor is rated at 250 VAC and is available in single phase configuration only.

## DLM technology

Digital Load Management technology (DLM) allows the transfer switch to monitor generator performance and only shed loads when absolutely necessary by monitoring generator frequency. By only shedding the non-essential circuits, the essential circuits are always powered.



Data Sheet

[www.usa.siemens.com/generators](http://www.usa.siemens.com/generators)

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## Functions

All timing and sensing functions originate in the generator controller

Utility coil voltage drop-out .....	<60%
Standby coil voltage sensor .....	.60% for 5 seconds
Utility coil voltage pickup .....	>80%
Load shed activation .....	58 Hz for >3 seconds or below 50 Hz for >1/2 second
Automatic load return .....	Adjustable

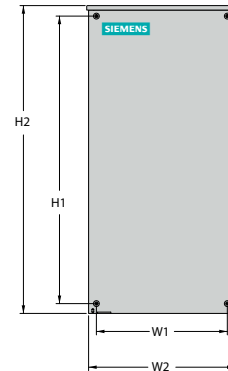
The transfer switch can be operated manually without power applied.

## Specifications

<b>Catalog number</b>	<b>SL200RDPM</b>
<b>No. of Poles</b>	2
<b>Current rating (amps)</b>	200
<b>Voltage rating (VAC)</b>	250
<b>Utility voltage monitor (fixed)</b>	
-Pick-up	>80%
-Dropout	<60%
<b>Return to utility</b>	approx. 15 sec.
<b>Exerciser weekly for 12 minutes</b>	Standard
<b>UL Listed</b>	Standard
<b>Dimensions (H" x W" x D")</b>	42 x 20 x 7.25
<b>Total of pre-wired circuits in priority load center</b>	16
No. 15A 120V	5
No. 20A 120V	5
No. 20A 240V	1
No. 40A 240V	1
No. 50A 240V	1
<b>Circuit breaker protected</b>	
Available RMS symmetrical	
Fault current @ 250 Volts	10,000

## Features

- Electrically operated, mechanically-held contacts for fast, positive connections.
- Rated for all classes of load, 100% equipment rated, both inductive and resistive.
- 2 pole, 250 VAC contactors.
- 160 millisecond transfer time.
- Dual coil design.
- Main contacts are silver plated or silver alloy to resist welding and sticking.
- NEMA 3R (indoor/outdoor rated) aluminum enclosure is standard.



Mechanical dimensions (inches)						
Current rating	No. of poles	Height		Width		Depth
		H1	H2	W1	W2	
200 UL Listed	2	39.3	42.3	17.9	20.1	7.9

Terminal wire ranges			
ATS rated amps	CB terminal	Neutral lug assy	Ground assy
200A 2-pole UL	2 x 300 MCM - #1	4 x 350 MCM - #6	5 x #4 - #14
Mounting holes	4 x .25 diameter		

Siemens Industry, Inc.  
Building Technologies Division  
5400 Triangle Parkway  
Norcross, GA 30092

1-800-964-4114  
info.us@siemens.com

[www.usa.siemens.com/generators](http://www.usa.siemens.com/generators)

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