



Surge Protective Device

SS320-LS34

Space Saving Meter Base
Surge Protector

Technical Documentation



ACCESSORY SOLD SEPARATELY

The SS320-LS34 meter base surge protector is your first line of defense against incoming transient surges attempting to enter a home. It has a low profile design and can be installed on up to Class 320 (320 amp) residential and commercial single phase meter enclosures.

The SS320-LS34 provides maximum protection for electrical circuits and electromechanical appliances. It contains high energy surge protection elements that can handle surges in excess of 60,000 amps.

The SS320-LS34 is designed for safety with a thermal safety disconnect on each phase conductor and an internal shield for safe installation. A “dual-redundant” LED light source verifies that the SS320-LS34 surge protection circuit is functional.

Key Specs

- **Voltage:** 120/240 Volts
- **Max Surge:** >60,000 Amps
- **Max Energy Absorption:** 4,000 joules
- **Low Profile:** 1.2” inches

**See Ordering Information for model number selection*

Features

- Use in up to and including 320 Amp single phase meter enclosures
- Low clamping voltage at high surge currents
- Thermally fused for safety
- Easy to install two part ground wire
- 15 year warranty

Certifications

- UL1449 4th Edition Listed Type 1
- Type 1 Rated (install anywhere)
- Certified for installation on up to 320 Amp meter enclosures.

General Technical Specifications

Very low profile	1.2” inches
UL listed	For up to and including 320 Amp Services
Single Phase Applications	120 / 240 Volt
Simple ON/OFF Indicator light	Dual Redundant
Plastic Safety Cover	With Insertion Guides
Response Time	Less than 1 Nanosecond
Maximum Surge Handling (single shot)	>60,000 Amps
Maximum Energy Absorption	4,000 Joules
Initial Clamp Voltage L to G	240 volts (Nominal)
Maximum Continuous Over Voltage (MCOV)	180 V
Thermal Disconnect	Yes
Maximum Fault Interrupt Rating	10kA

Caution

This device is typically installed behind utility equipment by utility or trained authorized personnel.



DANGER!

Only qualified personnel should install or service this system. Electrical safety precautions must be followed when installing or servicing this equipment.

Diagrams

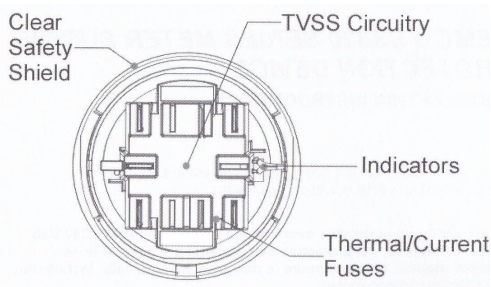
DRAWING 1

Side View of SS320-LS34



DRAWING 2

Front View of SS320-LS34



Ordering Information

MODEL

APPLICATION

SS320-LS34	200 to 320 Amp Meter Enclosures
SS320-LS34-5J	200 to 320 Amp Meter Enclosure with 5th Jaw
SS320-LS34-36G	Optional 36 inch ground lead extension
add "-QD"	Quick Drill™ ground connector option

Read and Understand

Note:

- HIGH VOLTAGE IS PRESENT AT THE METER SERVICE ENTRANCE, INSURE APPROVED PERSONAL PROTECTION AND SAFETY EQUIPMENT IS USED AT ALL TIMES.
- Properly trained and authorized Electric Service Provider, serving utility, or qualified electrician must install this device.
- WARNING: Never install a dropped or damaged meter base protector.



USA Based

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Rev0 05-22