

# Surge Killer Unit 61F-03B/-04B

CSM\_61F-03B\_-04B\_DS\_E\_3\_1

## Protect 61F Controllers Against Lightning.

- A high-capacity protective device to protect against induced lightning damage.
- Used in locations that are susceptible to induced lightning damage, such as elevated water tanks and high-altitude locations.

 Refer to *Safety Precautions for Electrodes and Electrode Holders.*



## Ordering Information

Item	Model
Three/four-pole Surge Killer Unit	61F-03B
Five-pole Surge Killer Unit	61F-04B

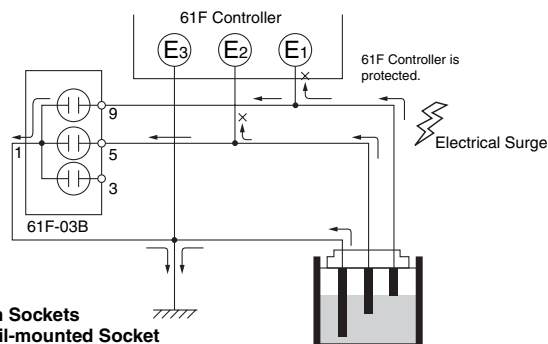
## Specifications

Discharge start voltage	90 V ± 20 VDC
Impulse withstand voltage	200 kV (1 × 40 μs)
Impulse withstand current	6,000 A (1 × 40 μs)
Weight	Approx. 35 g

## Connections

Mount the Surge Killer Unit as close to the Controller as possible. Adequate results may not be obtained if the Unit is mounted close to the Electrode Holder.

When grounding the Surge Killer Unit in the vicinity of the Controller, connect terminal 1 on the ground side of the Surge Killer Unit to the common electrode (the longest electrode.)

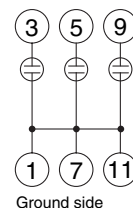


Connection Sockets  
PF113A Rail-mounted Socket  
PL11 Back-connecting Socket

## Internal Connections

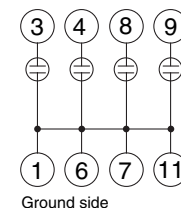
61F-03B

Electrode connection terminals



61F-04B

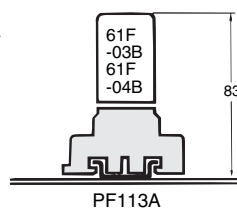
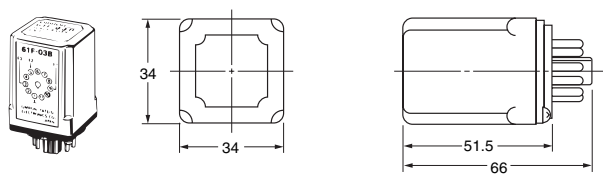
Electrode connection terminals



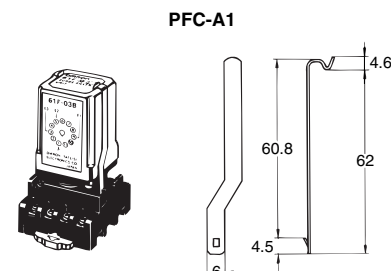
## Dimensions

Note: All units are in millimeters unless otherwise indicated.

61F-03B  
61F-04B



Use a PFC-A1 Mounting Bracket to mount the Surge Killer Unit to the PF113A Rail-mounted Socket.



Note: PFC-A1 Mounting Bracket (sold separately)

## ■ Safety Precautions

Refer to *Safety Precautions for All Level Controllers*.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.  
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.

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- Nuclear energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
- Systems, machines, and equipment that could present a risk to life or property.

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### DIMENSIONS AND WEIGHTS

Dimensions and weights are nominal and are not to be used for manufacturing purposes, even when tolerances are shown.

### PERFORMANCE DATA

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2011.8

In the interest of product improvement, specifications are subject to change without notice.

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