

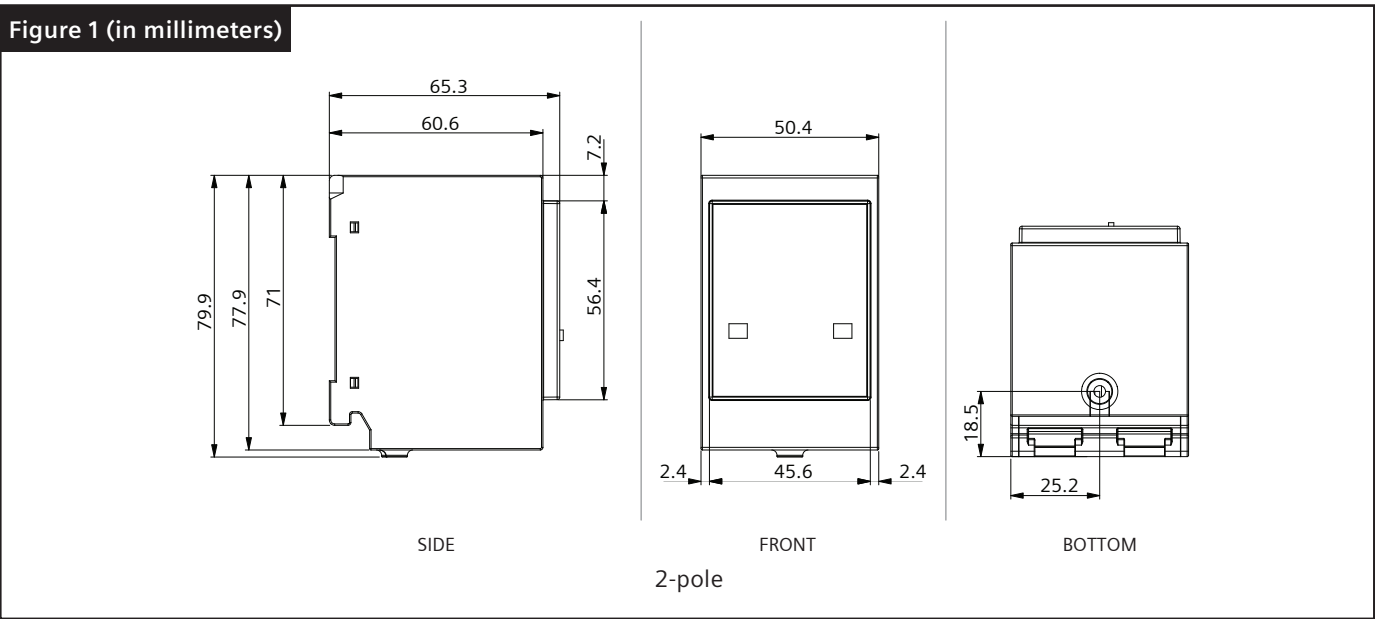
QSPD2A035B Series Installation Instructions

SIEMENS

These instructions are intended as a guide for installing the Siemens QSPD series of surge protective devices into any QSPD-approved loadcenters. It is the installer’s responsibility to ensure the proper device is selected for the voltage system of the application.

Catalog no.	System voltage	SCCR (system rating)	Surge current rating	Poles	VPR rating L-N/L-G	Other specifications
QSPD2A035B	120/240V, 1Ø, 3W 208Y/120V, 1Ø, 3W	22kA	35kA	2	700V	<ul style="list-style-type: none">UL Type Designation: SPD Type 1, also suitable for use in Type 2 applicationsNominal Discharge Current (In): 20kA2-pole plug on configurations in QP footprintGreen/Red mechanical flag indicatorsPre-wired #14 AWG (solid copper stranded)

The Siemens QSPD surge protector will fit any location that will accept a Siemens 2-pole QP type breaker. This model only has one configuration (see Figure 1):



Mechanical features:



A mechanical failure indicator is included on this product. This monitors the integrity of the SPD and alerts the user, using visual means, in the event of failure. A green flag indicates that the SPD is operational. Upon failure of any of the MOVs in the SPD, the green flag will change to a red flag. The unit now needs to be replaced.

BoltShield™

SIEMENS


QSPD Series
Surge Protective Device

SPD Type: SPD Type 1; SPD Type 2
Rated Line Voltage: 120 VAC; 50/60 Hz
SCCR: 22 kA



GREEN = Full Protection
RED = No Protection (replace SPD)

Mechanical Indication

QSPD2A035B  usa.siemens.com/surge

	Danger Hazardous Voltage. Will cause death or serious injury.	Peligro Tensión peligrosa. Puede causar la muerte o lesiones graves.	Danger Tension dangereuse. Danger de mort ou risque de blessures graves.
	Turn off and lock out all power supplying this device before working on this device. Replace all covers before power supplying this device is turned on.	Desenergice totalmente antes de instalar o darle servicio. Reemplace todas las barreras y cubiertas antes de energizar el interruptor.	Couper l'alimentation de l'appareil et barrer avant de travailler. Remplacez tous les couverts avant que l'approvisionnement de pouvoir soit alimenté.

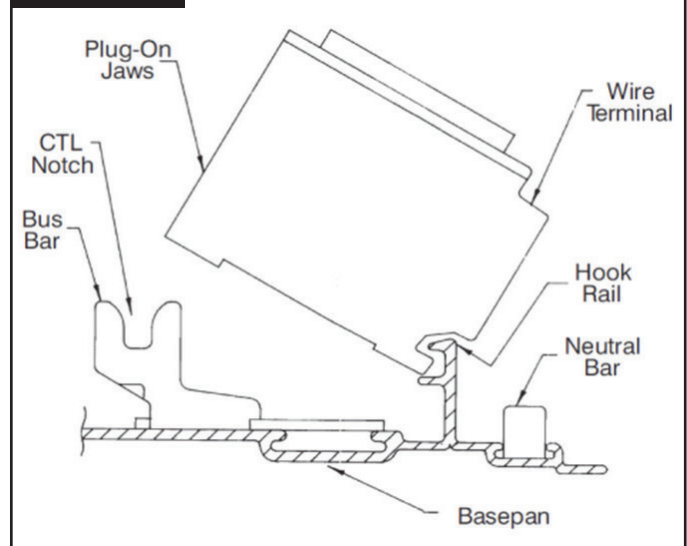
Installation Procedure:

1. This device is suitable for use on a circuit capable of delivering not more than 200kA rms symmetrical amperes.
2. Turn off and lock out the power to the load center in which the device is to be installed.
3. Remove the panelboard/load center cover/deadfront.
4. Engage the back of the device with the mounting tabs in the load center. Push down firmly on the front of the device to engage the load center line terminal stabs (Figure 2).

5. On a single-phase connect the white pigtail wire from the SPD unit to the neutral bus bar, making the wire as straight and short as possible. Torque per load center markings, or 5-7 lbs-in.

Note: If the user is connecting the single-phase SPD to the ground bus bar in order to change/increase the modes of protection or increase the surge current capacity, wrap the white wire with green electrical tape as per code.

6. Replace the load center cover/deadfront and restore load center power.
7. Verify that all mechanical indicator flags are green for all QSPDs installed.

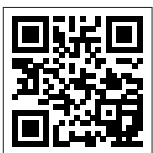
Figure 2

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