

Surge Protective Device



The VSS is an advanced multi-stage hybrid, solid state power line protector. Features such as a common mode and normal mode suppression, nanosecond reaction time, power line tracking and simple wire terminations make the VSS an excellent choice in commercial and industrial applications.

The VSS can be designed as a panel mount and takes up NO internal panel room; with the panel mount it is designed to be mounted externally (Panel Mount Model) or as a plug-in model (picture above).

The VSS utilizes a Patented X-Coil™ surge balancing coil. This insures best clamping performance of all internal surge elements.

The VSS contains internal fuses designed to remove the load (protected equipment) from the line if the unit is subject to long term overvoltage or the internal protection fails. This feature prevents surges from entering equipment through a failed protector, not noticed by the user. The VSS is universal: it can be used on any single phase circuit of either 120Vac or 240Vac.

It is designed to carry 20 Amp max current so it fits any commercial wiring system. The VSS is a series surge device so it has separate input and output wires (panel mount version). The output wires are clearly marked and connect to the electronics that are to be protected. Simple wire splices or wire nuts are acceptable connections to the VSS.

General Technical Specifications

Nominal System Voltage	120/240V - series installation
Max Amps	20Amps
Frequency	0-100Hz
Size	2.87" x 5.25" x 1.75"
Nominal Discharge Current (In)	10kA 8/20 μ s
One-Time Surge	57 kAIC
Protection Modes	400V L-N / 400V L-G
Status indication	Green LED
Technology	TMOV - Thermal Disconnects

Technical Documentation

Key Specs

- **Multi-Stage High Energy Surge Suppression**
- **Line Drop Over Voltage Protection**
- **Compact and Easy to Install**

Features

- 120/240 volt 15-20 Amp
- Auto-Recovery
- Nanosecond response time
- Power Line Tracking
- Plug-in module
- Multi-stage Hybrid Design
- Easy to install

Ordering Information

Model Number Description:

VSS20 - 9 - 6 - 18 - 6

5= 5-20 plugs; 6= 6-20 plugs

Output Cord Length in inches

Input cord length in inches

9=90 deg male plug; S= straight male plug

20= 20 amp; 15= 15 amp

PEMCO
11400 47th St Ste A
Clearwater, FL 33762
Phone: (800) 800-0966
www.pemfg.com



MANUFACTURING

While every precaution has been taken to ensure accuracy and completeness herein, PEMCO assumes no responsibility, and disclaims all liability, for damages resulting from use of this information or for any errors or omissions. Specifications are subject to change without notice.

Rev0 08-18