

# SPD - Surge Protective Device

## Telephone Service Entrance Surge Protection

### FSPHONE & FSPHONE4X

- UL/cUL listed
- Hardwired Telephone/Modem/Fax/DSL protection
- Exceptionally fast response time
- Low insertion loss
- Available with or without enclosure
- 5 Year product warranty\*

\* See [www.usa.siemens.com/surge](http://www.usa.siemens.com/surge) for warranty terms and conditions.

The Siemens FSPHONE & FSPHONE4X is a 2 pair, hardwired surge protector designed to stop surges from entering through the main telephone incoming service connection. It is equipped with a failshort device to permanently ground the telephone line in the event of a power cross. The FSPHONE is designed for indoor applications where the FSPHONE4X is used for outdoor mounting is required.

The FSPHONE4X includes the FSPHONE plus a weatherproof enclosure to facilitate indoor or outdoor applications. The enclosure is molded of temperature and humidity resistant thermoplas-tic to resist cracking and discoloration. The cover can be secured with a tie wrap or similar locking device.



FSPHONE



FSPHONE4X

AC Surge Protection	
Catastrophic Surge Circuit	Yes
Spike Capacity	200 Amps
Let Through Voltage	<270V
Overcurrent Protection	Yes
Response Time	<1 nanosecond
Environmentally Sealed	Yes
UL/cUL Listings	497A
Meets Telcordia (formally Bellcore) GR-974-CORE Requirements for Telecommunications Line Protectors	Yes
Product Warranty	5 years

Surge Type	Catalog Number
Telco	FSPHONE
Telco	FSPHONE4X

## Coaxial Service Entrance Surge Protection

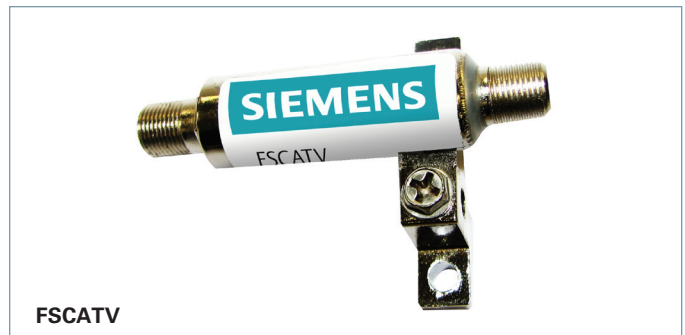
### FSCATV

- UL/cUL listed surge protection
- Rated for CATV, DSS, TV, VCR, and Cable Modem
- Easy to install
- Standard Female to Female F connector
- Low insertion loss
- Automatic recovery
- 5 Year product warranty\*

\* See [www.usa.siemens.com/surge](http://www.usa.siemens.com/surge) for warranty terms and conditions.

Siemens FSCATV shields coaxial connected electronics in residential and light commercial applications against electrical transient damage, including lightning, from entering through the main cable connection.

FSCATV includes a section of coaxial cable with female to female splice for line side application. The Siemens warranty covers product defects for 5 years. To have complete protection for your equipment, home, or business, it is important to protect AC power lines and all data lines the equipment is connected through.



FSCATV

AC Surge Protection	
Frequency Range	DC thru 1.5 GHz
Catastrophic Surge Circuit	Yes
Spike Capacity	5000 Amps, 8/20 μSec
Impedance	75 Ohms
Overcurrent Protection	Yes
Return Loss	30dB @ 1 GHz
Insertion Loss	<0.1dB
UL/cUL Listings	497B
Meets IEEE C62.41.1 Requirements	Yes
Product Warranty	5 Years

Surge Type	Catalog Number
Coaxial	FSCATV