

Surge protective devices (SPDs)

The SENTRICITY SLCPOSURGE™ SPD features a plug-on neutral connection and a plug-on bus connection, eliminating any wiring. Simply plug the SPD into two spaces in the load center. The SLCEXSURGE™ can be used in any brand residential load center and requires a dedicated 2-pole 30 A circuit breaker.



SLCPOSURGE



SLCPOSURGE
plug-on SPD



SLCEXSURGE



OVR CATV/F
OVR SMATV/F

Features:

- Plug-on neutral standard (SLCPOSURGE)
- Thermally protected metal oxide varistor technology
- Up to 80 kA total surge current rating (SLCEXSURGE)
- LED functioning indication
- UL and cULus Listed to ANSI/UL 1449, 4th edition

| Total surge current ratings per phase | Voltage V AC | Phases | Catalog number |
|---------------------------------------|--------------|-------------------------|-------------------------|
| 50 kA | 120/240 | 1-phase 3-wire | SLCPOSURGE ¹ |
| 80 kA | 120/240 | 1-phase 3-wire + ground | SLCEXSURGE |

¹ Can only be used in SENTRICITY brand load centers.

SPD characteristics

| Nominal discharge current (I _n) | Short circuit current rating (SCCR) | Voltage protection rating (VPR) | | | | ANSI/UL 1449 type | Catalog number |
|---|-------------------------------------|---------------------------------|-----|-----|-----|-------------------|----------------|
| | | L-N | L-L | L-G | N-G | | |
| 10 kA | 100 kA | 500 | 900 | – | – | Type 1 | SLCPOSURGE |
| 20 kA | 65 kA | 600 | 100 | 600 | 900 | Type 2 | SLCEXSURGE |

The ABB OVR TV coaxial SPDs offering outstanding protection for cable or satellite TV systems. Using industry-leading discharge tube technology, the TV coaxial products provide protection against lightning-related surges occurring on the coaxial cables.

TV coaxial SPD characteristics

| Application | Operating frequency range | Connector type | Surge current (8x20 μs) | Temperature range | Insertion loss at max. frequency | Characteristic impedance | Catalog number |
|--------------|---------------------------|----------------|-------------------------|-------------------|----------------------------------|--------------------------|----------------|
| Cable TV | 5–860 MHz | F | 3 kA | –40 to 80 °C | <0.5 dB | 75 Ω | OVR CATV/F |
| Satellite TV | 860–3224 MHz | F | 3 kA | –40 to 80 °C | <2.2 dB | 75 Ω | OVR SMATV/F |

Main breaker kits



Replacement main breaker kit

| Ampere rating | Catalog number |
|---------------|----------------|
| 100 | SLC2100MB |
| 125 | SLC2125MB |
| 150 | SLC2150MB |
| 200 | SLC2200MB |
| 225 | SLC2225MB |