

# Current Guard series - Surge Protective Devices

## Current Guard 3 and Current Guard Plus 3



The powerful Current Guard 3 (CG3) and Current Guard Plus 3 (CGP3) Current Tech Surge Protective Devices help protect against utility power anomalies and lightning induced transient surge events. Their compact and advanced design features thermally protected MOVs to eliminate overvoltage, safeguarding your equipment and capital investments.

### Key benefits

- **Safeguard your capital investments** - Help reduce operational downtime and maintenance costs
- **Absolute protection** - CG3 and CGP3 protect sensitive equipment from failure by clamping transient voltage events as close as possible to nominal and redirecting them safely away from connected equipment
- **Enhanced safety** - Thermal protection adds an additional level of protection by taking the SPD offline when reaching a certain temperature
- **Reliable performance**- Single surge testing has been validated by an independent third party laboratory

### Key features

- Thermally protected MOVs
- Multiple enclosure options
- Compact and light weight design
- Dry relay contacts report SPD status remotely
- Mounting kit to allow surface mounted or flush mounted (metal enclosure)
- Audible and silence alarm indicate SPD status
- Tri-color LED lights indicate SPDs operational status per phase.
- Model CGP3 comes standard with surge event counter
- Current Guard series is available in polycarbonate, powder coated steel, and stainless-steel enclosure.

### Technical specifications

- 200kAIC short circuit rating for most available voltage configurations
- Maximum surge current rating 40 kA to 200kA per mode
- Nominal discharge current rating (I-n) 20kA for most available configurations
- Operating frequency 47–63Hz (higher, larger caps)
- Connection method parallel to electrical distribution system
- Modes of protection All Modes (L-N, L-G, N-G, L-L)
- Type 1 SPD with fault current rating (SCCR) 200kAIC – no upstream over-current protection device (breaker or fuse) required

### Certification and standards

- UL Listed 1449 4th edition for Type 1 and Type 2 SPD applications
- Type 1 SPDs meet requirements for UL 96A
- UL 1283 for Type 2 applications
- IEEE C62.41.1, .2, C62.45
- ROHs compliant

### Warranty

- Model CG3 offers 10-year warranty
- Model CGP3 offers 15-year warranty

### Product documentation (interactive links)

- Product website
- SPD Current Tech catalog
- Datasheets

### Applications

- Data Centers – uninterrupted power supplies, remote power panels
- Food and beverage
- Wastewater treatment plants
- Motor Control Centers
- Service Entrance
- Power Distribution
- Control Cabinets
- Lighting Circuits
- HVAC equipment
- UL508A control panels

### Production site

- Richmond, Virginia, United States

### Target market

- Global

### Sales ordering

- Tnb access

### Availability and delivery time

- Available for ordering May 3, 2021 .
- Lead time 4-6 weeks.

### Contact information

#### Chris Martin

Sales Manager  
chris.martin@us.abb.com

#### Karla Zavala

Product Marketing Manager  
karla.zavala@us.abb.com

#### Dave Donovan

Technical support  
dave.donovan@us.abb.com