

# Power quality

## Surge protection devices



Training hours: 2  
 State CEU hours: 2.0  
 National CEU hours: 0.2  
 Course costs: \$0

ABB US Training

**Continuing education units (CEU)  
 Professional development hours (PDH)**

**Program description:**

This course will examine the science, reasons and methods to protect electrical systems and components from lightning strikes and electrical disturbances both internal and external. This course will also cover safety requirements for grounding and bonding according to the National Electrical Code (NEC) and the Institute of Electrical and Electronics Engineers (IEEE).

**Who should attend?**

- Electrical technicians, engineers, contractors, project managers, design personnel
- Electricians and apprentices
- Individuals looking to enhance existing electrical knowledge and upgrade their skills

**Prerequisites:**

Some knowledge and experience with the effects of electrical surges on total systems and a short knowledge check.

**Learning outcomes:**

- Review new terminology
- List the different types of SPDs
- Discuss where surges originate
- Examine the damage caused by electrical surges
- Describe how surge protection operates
- Identify the regulatory listings and NEC code applications for SPDs

**Requirements for CEU:**

1. Complete prerequisite knowledge check
2. Attend the course
3. Complete a post-course assessment

Do you have a specific question?  
 Contact [sales.training@us.abb.com](mailto:sales.training@us.abb.com)  
 today!