

Eaton surge protection devices

Complete home surge protection

NEC 2023-compliant Type 1 and Type 2 residential surge protection devices

What is a surge? Why do you need protection?

A surge is an electrical disturbance that travels through your AC power, telephone and cable lines, potentially damaging home electronics and appliances.

Where do surges typically come from?

Indirect lightning, utility disturbances and home appliances turning on/off.

Surge application according to the 2023 NEC® 230.67:

Expanded from the 2020 NEC 230.67 Type 1 and Type 2 SPD requirements in dwelling units, 2023 NEC updates require SPDs in dormitory units and guest rooms of hotels and motels, and sleeping rooms in nursing homes and limited-care facilities.

The 2023 NEC also added that SPDs must have a minimum 10 kA discharge current rating. Eaton's surge protection devices support this requirement.

Description	Basic	Basic	Better	Best	Best
Suggested product	Meter main surge	Surge modules	Surge breakers	Surge bricks	Surge metering
Catalog numbers	1PMBSURGEKT, 3PMBSURGEWYEKT	BRPSURGE10, BRNSURGE10, CHPSURGE10, CHNSURGE10, CLNSURGE10	BR230SUR, BR250SUR, CHN230SUR, CHN250SUR	CHSPT2ULTRA, CHSPT2SURGE10	1MMSURGE_ , 3MMSURGE_
Nominal discharge current	20 kA	10 kA	10 kA	20 kA, 10 kA ①	20 kA
Surge current capacity per phase	50 kA	20 kA	36 kA	108 kA, 60 kA ①	100 kA, 200 kA, 300 kA
Circuit breaker required	N/A	No	No	Two-pole 50 A / Two-pole 15 A ①	N/A
Branch spaces used	N/A	2	2	2	N/A
Warranty	Product: Two-year	Product: Three-year limited Equipment: Up to \$10,000	Product: Five-year limited Equipment: Up to \$25,000	Product: CHSPT2ULTRA: Lifetime CHSPT2SURGE10: 10-year Equipment: CHSPT2ULTRA: Up to \$75,000 CHSPT2SURGE10: Up to \$50,000	Product: 10-year with registration
BR PON / BR legacy	N/A	Yes	Yes	Either	N/A
CH PON / CH legacy	N/A	Yes	Yes	Either	N/A
Classified listing	N/A	Yes	No	Works in any manufacturer's loadcenter	N/A
Application	Group metering	Loadcenter, meter breaker	Loadcenter, meter breaker	Loadcenter, meter breaker	Group metering

① Applicable to the Eaton CHSPT2SURGE10.

