

## Type BR and CH Surge Breakers

**Product Description**

The CH and BR surge breaker is designed to provide premier AC power surge protection for sensitive electronics and appliances from the damaging effects of electrical surges. In addition, the surge breaker is a functional two-pole thermal magnetic breaker.

The combination of circuit protection and surge protection provides extra flexibility and space saving in the loadcenter.

**Product Features**

- Complete home surge protection for all circuits plus a functional two-pole thermal magnetic breaker
- LEDs provide protection status
- Plug-on connection to the busbar provides superior protection and easy installation for new construction or renovation
- Eliminates the potential for incorrect installation of externally mounted surge devices—(longer “lead” lengths can reduce protection levels)

**Type CH Surge Breakers**

Catalog Number <sup>①</sup>	Poles	Ampere Rating	Voltage	Phase	Frequency (Hz)	MCOV <sup>②</sup>	VPR <sup>③</sup>	I <sub>n</sub> <sup>④</sup>	SCCR <sup>⑤</sup>	Surge Current Capacity, Per Phase Rating <sup>⑥</sup>
<b>Type CH Surge Breakers</b>										
<b>CH230SUR</b>	Two-pole 10 kAIC	30	120/240 Vac	Single	50/60	150 V L–N, 300 V L–L	600 V L–N, 1000 V L–L	10 kA	10 kA	36 kA (L1–N 36 kA, L2–N 36 kA)
<b>CH250SUR</b>		50	120/240 Vac	Single	50/60	150 V L–N, 300 V L–L	600 V L–N, 1000 V L–L	10 kA	10 kA	36 kA (L1–N 36 kA, L2–N 36 kA)

**Type BR Surge Breakers**

<b>Type BR Surge Breakers</b>										
<b>BR230SUR</b>	Two-pole 10 kAIC	30	120/240 Vac	Single	50/60	150 V L–N, 300 V L–L	600 V L–N, 1000 V L–L	10 kA	10 kA	36 kA (L1–N 36 kA, L2–N 36 kA)
<b>BR250SUR</b>		50	120/240 Vac	Single	50/60	150 V L–N, 300 V L–L	600 V L–N, 1000 V L–L	10 kA	10 kA	36 kA (L1–N 36 kA, L2–N 36 kA)

**Notes**

- ① Clamshell packaging available with CS modification code on the end of catalog number.  
 ② MCOV: Maximum Continuous Operating Voltage that may be applied to the device per mode.  
 ③ VPR: Voltage Protection Rating is the measured limiting voltage after a surge event.  
 ④ I<sub>n</sub>: Nominal Discharge Current is the current that the device can withstand for 15 impulses.  
 ⑤ SCCR: The amount of current the product can withstand under short-circuit conditions.  
 ⑥ Surge Current Capacity: The maximum one time surge current rating per phase.