

**Surge Protectors**



**CHSA Surge Protector**

**CHSA** — For use on single-phase, 120/240V AC systems. This easily plugs into a single-phase Type CH loadcenter and occupies two 3/4-inch (19.1 mm) pole spaces similar to a 2-pole Type CH breaker. When plugged into the first two stabs at the top of the loadcenter just below the main breaker or main lug, it provides surge protection for the entire loadcenter. If internal components are damaged, the CHSA LED visual indicators will signal the need for replacement. This device is suitable for service entry locations installed in accordance with NEC Article 280. The CHSA is ideal for protecting sensitive appliances and electronics, such as refrigerators, microwave ovens, and home computers.



**CHSA01 Surge Protector**

**CHSA01** — For use on single-phase, 120/240V AC systems. This surge protector can be easily installed in the enclosure of indoor or outdoor loadcenters by using the 1/2-inch (12.7 mm) threaded nipple. It is ideal for protecting outdoor lighting, garages, sump and irrigation pumps, etc.



**CHSA03 Surge Protector**

**CHSA03** — For use on three-phase, 600V AC systems. This surge protector is installed in the enclosure of indoor and outdoor loadcenters by using the 1/2-inch (12.7 mm) threaded nipple. It provides protection for commercial electrical services especially those using electric motors.

**Table 3-37. Surge Protectors**

Description	Discharge Voltage, V AC				Lead Length Inches (mm)	Catalog Number	Price U.S. \$
	1.5 kA	3 kA	5 kA	10 kA			
Surge Protector Plug-On Type CH, Single-Phase, 120/240V AC	345	370	500	545	8 (203.2)	<b>CHSA</b>	88.
Surge Protector, 2-Pole Single-Phase, 3-Wire, 120/240V AC	490	640	980	1410	15 (381.0)	<b>CHSA01</b>	51.
Surge Protector, 3-Pole Three-Phase, 4-Wire, 600V AC	1700	2100	2510	3800	15 (381.0)	<b>CHSA03</b>	103.

**Type BR**



**BRSURGE Surge Protector**

**BRSURGE** — For use on single-phase, 120/240V AC systems. This easily plugs into a single-phase Type BR loadcenter and occupies two 1-inch (25.4 mm) pole spaces similar to a 2-pole Type BR breaker. When plugged into the first two stabs at the top of the loadcenter just below the main breaker or main lug, it provides surge protection for the entire loadcenter. If internal components are damaged, the BRSURGE LED visual indicators will signal the need for replacement. This device is suitable for service entry locations installed in accordance with NEC Article 280. The BRSURGE is ideal for protecting sensitive appliances and electronics, such as refrigerators, microwave ovens, and home computers.



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**Table 3-112. Surge Protectors**

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Surge Protector Plug-On Type BR, Single-Phase, 120/240V AC	345	370	500	545	8 (203.2)	<b>BRSURGE</b>	108.
Surge Protector, 2-Pole Single-Phase, 3-Wire, 120/240V AC	490	640	980	1410	15 (381.0)	<b>CHSA01</b>	51.
Surge Protector, 3-Pole Three-Phase, 4-Wire, 600V AC	1700	2100	2510	3800	15 (381.0)	<b>CHSA03</b>	103.

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**Type BR**



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