



ELLIOTT ELECTRIC SUPPLY

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CHSP3RTELCABLE N3R Enclosure For Cable/Phone Surge Protector

Eaton Corp

Catalog Number	CHSP3RTELCABLE
Manufacturer	Eaton Corp
Description	
Weight per unit	6.0 (lbs/each)
Product Category	Surge Suprsr-Prot Dev-LN Condi

Features

dimensions	33.0200centimetreX19.0500centimetreX11.4300centimetre
Material	Metal
used with	CHSPTELE and CHSPCABLE

Descriptions

Description	N3R ENCLOSURE FOR CABLE/PHONE SURGE PROTECTOR
Product Type	Nema 3R Surge Tel/Cable Enclosure
Special Features	Suitable for convertible CH loadcenters and CH32N200J

Manufacturer Information

Brand	EATON CUTLER-HAMMER
GTIN	00782116983414
Manufacturers Part Number	CHSP3RTELCABLE
UPC	782116983414

Taxonomies, Classifications, and Categories

Category Description	SURGE SUPRESSION PRODUCTS.CHD,CPS,DEL
igcc	4459
Type	Type 2 Raintight Enclosure
unspsc code	39121321

Packaging

Carton	1
Weight Per each	6

Uses, Certifications, and Standards

Application	Circuit Protection
standard	Contact Manufacturer

2.1

Surge Protection

Surge Protection Devices and Lightning Arresters

Surge Protection Devices

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Product Description

Due to the evolution of electronics and microprocessors in the home, there is a continuous challenge to provide quality (clean) power for electronic loads such as appliances, computers/home office and entertainment systems. Surges caused by lightning, utility grid switching and other sources travel on current carrying conductors throughout the home, which can effect and destroy sensitive electronic loads.

Eaton offers a comprehensive family of surge products for use at service entrance. These products can help protect sensitive electronics against the damaging effects of surges.

Application Description

Two-Stage Protection

Two stages of surge suppression are recommended to provide the best protection for electronic equipment. Two-stage surge suppression should be provided for all cables entering a home, including power, Internet, coaxial and telephone.

Service Entrance Surge Protection

Eaton's service entrance surge protection units provide premier surge protection for AC power at the service entrance. These products provide protection for residential electrical equipment by reducing power surges to an acceptable level for surge strips to handle at the point of use.

UL 1449 3rd Edition Type 1 and Type 2 Surge Protection

- **Type 1 Surge Protective Device (SPD)**— Permanently connected Type 1 SPDs are intended for installation between the secondary of the service transformer and the line side of the service equipment overcurrent device, as well as the load side, including watt-hour meter socket enclosures and are intended to be

Contents

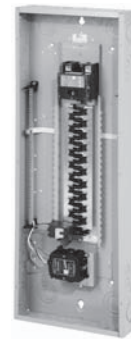
Description

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Surge Protection Devices and Lightning Arresters	
Standards and Certifications	V1-T2-3
Product Selection	V1-T2-4

installed without an external overcurrent protective device. Type 1 devices are dual-rated for Type 2 applications as well, providing the highest ratings available for installation at the service entrance

- Eaton's CHSPT1 products provide Type 1 surge protection in accordance with UL® 1449 3rd Edition. These units can be universally mounted outside any manufacturer's primary service equipment
- **Type 2 Surge Protective Device**—Permanently connected Type 2 SPDs are intended for installation on the load side of the service equipment overcurrent device, including SPDs located at the branch panel
- CHSPT2 products provide Type 2 surge protection in accordance with UL 1449 3rd Edition. These units can be mounted outside of any manufacturer's loadcenter or inside an Eaton Surge/Surge Ready loadcenter. Eaton also offers accessories to the CHSPT2 line for telephone and cable protection.

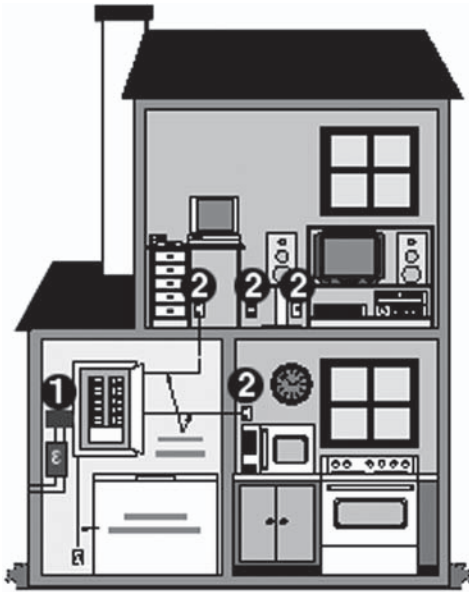
- **Factory-Installed Surge Protection**—Eaton's loadcenters with factory-installed surge protection include a CHSPT2ULTRA and a two-pole 50A circuit breaker. These loadcenters increase the effectiveness of surge protection due to reduced lead length. A modified deadfront allows for easy viewing of indicating lights for status indication



Surge Panel

- **Surge Ready Loadcenter**—The Surge-Ready loadcenter provides a mounting provision for the CHSPT2ULTRA. This loadcenter has a modified deadfront to allow for viewing of indicating lights.

Two-Stage Protection



① CHSP installed at the service entrance panel.

② SurgeTrap™ surge traps and strips located where sensitive electronics are plugged in.

Plug-On Surge Protection

- Type CHSA**—For use on single-phase 120/240 Vac systems. The CHSA easily plugs into a single-phase Type CH loadcenter and occupies two 3/4-inch (19.1 mm) pole spaces, similar to a two-pole Type CH breaker. When installed properly, it provides surge protection for the entire loadcenter. If internal components are damaged, the CHSA LED visual indicators will signal the need for a replacement. This device is suitable for service entry locations when installed in accordance with NEC® guidelines.
- Type BRSURGE**—For use on single-phase 120/240 Vac systems. This easily plugs into a single-phase Type BR loadcenter and occupies two 1-inch (25.4 mm) pole spaces similar to a two-pole Type BR breaker. When installed properly, 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 when installed in accordance with NEC guidelines. This unit is also classified by UL for use in select GE, ITE/Siemens, and Crouse-Hinds Panels. (Refer to Pub No. 5655B65H01 for additional details.)

- Type CHQSA**—For use on single-phase, 120/240 Vac systems. This unit easily plugs into a Square D single-phase loadcenter Type QO® and occupies two 3/4-inch (19.1 mm) pole spaces similar to a two-pole Type QO breaker. When installed properly, it provides surge protection for the entire loadcenter. If internal components are damaged, the CHQSA LED visual indicators will signal the need for a replacement. This device is suitable for service entrance locations installed in accordance with NEC guidelines. This device is UL classified to be used in place of Square D Type QO surge arresters (refer to Pub-23974).

- Type BRSURGECSA**—For use on single-phase 120/240 Vac systems. This easily plugs into a single-phase Type BR loadcenter and occupies two 1-inch (25.4 mm) pole spaces similar to a two-pole Type BR breaker. When installed properly, it provides surge protection for the entire loadcenter. If internal components are damaged, the BRSURGECSA LED visual indicators will signal the need for replacement. This device is suitable for service entry locations when installed in accordance with Canadian Electrical Code. This device is CSA® listed to be used in a Type BR loadcenter.

Type 3 Point-of-Use Surge Protection

Point-of-use surge strips are designed to offer premium surge protection for specific electronics while providing innovative features to enhance user convenience.

Standards and Certifications

- CHSPT1 Products: UL 1449 3rd Edition Type 1
- CHSPT2 Products: UL/cUL® 1449 3rd Edition Type 2
- CHSPTELE: UL 497A, cUL
- CHSPCABLE: UL 6500, cUL
- NEMA® 3R Enclosure for CHSPTLE and CHSPCABLE: UL 50 Enclosure
- BRSURGE, CHSA, BRSURGECSA, CHQSA: UL 1449 3rd Edition plug-in type; Type 2 SPD









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Surge Protection

Surge Protection Devices and Lightning Arresters

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Accessories for CHSP Type 2 Service Entrance Protection

Catalog Number	Description	Installation	Surge Current Capacity	DC Breakdown Voltage	Voltage
CHSPCABLE 	CHSPCABLE Quick Connect design—add additional telephone and AC protection modules; protects two quad shield cables; bi-directional	Indoor installation; or rain-tight when used with recommended enclosure	10 kA per line	145V	
CHSPTELE 	CHSPTELE Quick Connect design—add additional AC and cable protection modules; protects four telephone lines	Indoor installation; or rain-tight when used with recommended enclosure	20 kA per line	230V	Ring 90–120 Vac/ Tone 48–52 Vdc
CHSPT23PACK 	CHSPT23PACK 3-Pack: CHSPT2ULTRA+CHSPTELE+CHSPCABLE; Surge protection for AC power, telephone and cable—see individual product features		See individual product ratings		
CHSP3RTELCABLE 	CHSP3RTELCABLE Raintight enclosure for CHSPTELE and CHSPCABLE; top or bottom feed; enclosure only, surge not included; accommodates up to two devices				
CHSPFMKIT 	CHSPFMKIT Flushmount kit for: CHSPT2ULTRA, CHSPT2MAX, CHSPT2MICRO, CHSPTELE, CHSPCABLE				
MSEGR2 	MSEGR2 Outdoor communication grounding device; meets 2008 NEC requirements for intersystem bonding termination				

Note

For warranty details, go to www.eaton.com/surgetrap.