




Features

- 100 kA max. discharge current rating
- Multi-pole uni-block design
- DIN Rail mountable
- UL 60691 compliant integrated thermal disconnect
- Visual fault indicator
- Remote signalling capability
- Compact design ideal for limited spaces
- Standards compliance: CE   
- RoHS compliant*

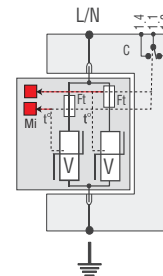
1210 Series Heavy Duty AC Surge Protective Device

General Information

The Bourns® Model 1210 Series is a heavy duty Surge Protective Device (SPD) designed to protect high risk electrical service entrance and branch panels. This SPD is intended to be installed at the front end of the installation, in the main switchboard, close to sensitive terminals or in installations without LPS (lightning rods).

The Model 1210 Series is a single-pole module that can be configured for both common mode and differential mode protection in single and three phase applications up to 600 V.

Electrical Diagram



V : High energy varistor
 Ft : Thermal fuse
 C : Remote signaling contact
 t° : Thermal disconnection system
 Mi : Disconnection indicator

Electrical Characteristics

| Characteristic | Model No. | | | |
|---|---|-------------------------|---------------------------------------|-----------------|
| | 1210-xS-120 | 1210-xS-230 | 1210-xS-400 | 1210-xS-600 |
| AC Network | 120/240 V, 120/208 V | 220/380 V, 240/415 V | 220/380 V, 277/480 V, 347/600 V | 480 V, 600 V |
| Connection Mode | 1-Pole, L-N or L-G | | | |
| AC System | IT, TT, TN, Single, Split Phase, Delta, Wye | | | |
| Max. Operating Voltage (MCOV) | 150 V | 275 V | 400 V | 840 V |
| TOV Withstand | 150 V | 275 V | 400 V | 840 V |
| Leakage Current at U _c | < 1 mA | | | |
| Follow Current | None | | | |
| UL Nominal Discharge Current (I _n) 15 Impulses 8/20 μs | 20 kA | | | |
| Max. Discharge Current (I _{max}) 1 Impulse 8/20 μs | 100 kA | | | |
| Max. Lightning Current (I _{imp}) 1 Impulse 10/350 μs | -- | | | |
| UL Voltage Protection Rating (VPR) | 600 V | 900 V | 1200 V | 3000 V |
| Protection Level (Up) | 0.9 kV | 1.25 kV | 1.8 kV | 4.0 kV |
| UL Short-Circuit Current Rating (SCCR) | 100kAIC | | | |

General Characteristics

| Characteristic | Model No. | | | |
|-------------------------|---|-------------|-------------|-------------|
| | 1210-xS-120 | 1210-xS-230 | 1210-xS-400 | 1210-xS-600 |
| Thermal Disconnect | UL 60691 | | | |
| Overcurrent Protection | Time Delay - 125 A Max. | | | |
| Connection | By Screw Terminals, #6 AWG Max. | | | |
| Dimensions | 90 x 18 x 67 mm / (3.543 x 0.709 x 2.638 In.) | | | |
| Mounting | DIN Rail, 35 mm Symmetrical | | | |
| Remote Signal Indicator | 250 V Max., 2 A | | | |
| Enclosure Material | Thermoplastic UL 94V0 | | | |

Environmental Characteristics

| Characteristic | Model No. | | | |
|-----------------------|--|-------------|-------------|-------------|
| | 1210-xS-120 | 1210-xS-230 | 1210-xS-400 | 1210-xS-600 |
| Operating Temperature | -50 °C to +85 °C | | | |
| Operating Altitude | 13,000 ft. (4,000 m) | | | |
| Relative Humidity | 5 to 95 % Non-condensing, up to 100 % External | | | |
| Environmental Rating | IP 20 | | | |

*RoHS Directive 2002/95/EC Jan. 27, 2003 including annex and RoHS Recast 2011/65/EU June 8, 2011. Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

Applications

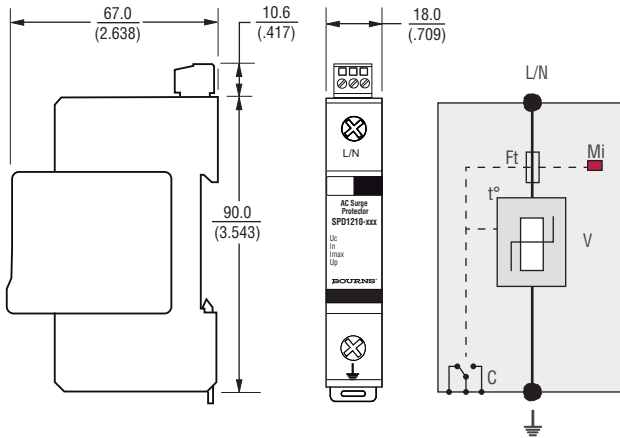
- Electrical service entrance
- Branch panels

1210 Series Heavy Duty AC Surge Protective Device

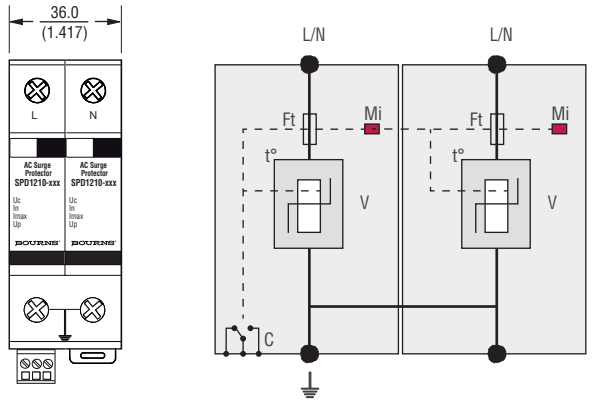
BOURNS®

Product Dimensions and Schematics

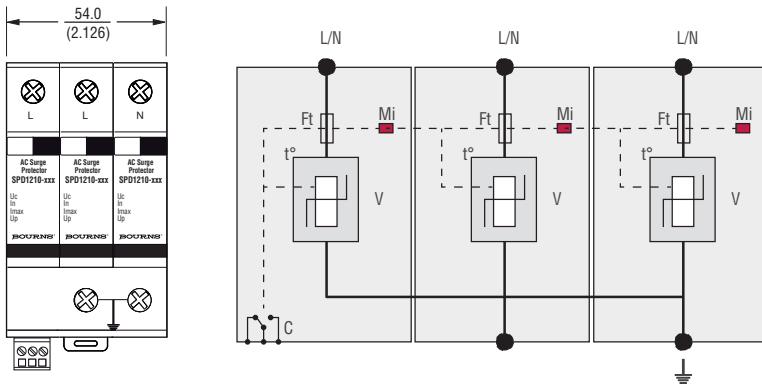
1210-1S-xxx



1210-2S-xxx

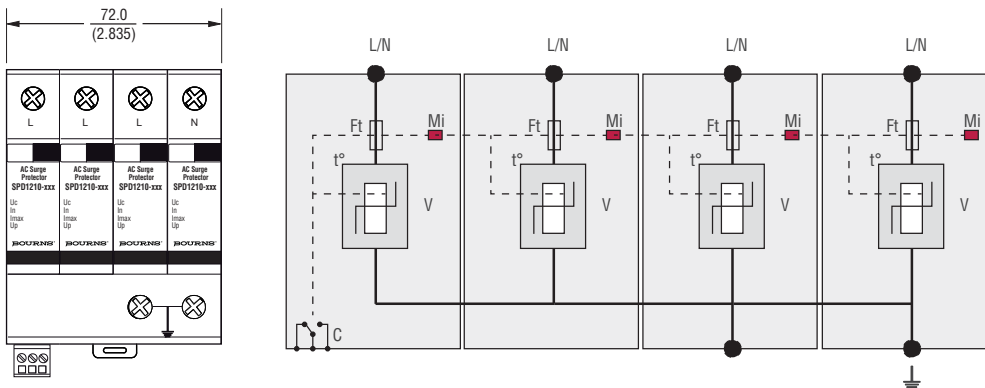


1210-3S-xxx



DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$

1210-4S-xxx



Specifications are subject to change without notice. The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time. Users should verify actual device performance in their specific applications.

1210 Series Heavy Duty AC Surge Protective Device

BOURNS®

Standards Compliance

IEC61643-1 - International Class I, Class II
EN 61643-11 - Europe..... Class I, Class II
NF EN 61643-11 - France Class I, Class II
UL1449 3rd Edition - USA Type 4, Type 2 Location
UL1449 3rd Edition - Canada..... Type 4, Type 2 Location
CSA C22.2 No. 8-M1986..... Class 9091 32, Class 9091 92
RoHSRoHS Directive 2002/95/EC
Jan. 27, 2003 including annex and
RoHS Recast 2011/65/EU June 8, 2011

How To Order

1210 - x S - xxx

Series _____
Configuration _____
 1 = One Protected Pole
 2 = Two Protected Poles
 3 = Three Protected Poles
 4 = Four Protected Poles
Remote Signalling Code _____
 S = Remote Signalling
Operating Voltage _____
 120 = 120/240 V, 120/208 V
 230 = 220/380 V, 240/415 V
 400 = 220/380 V, 277/480 V, 347/600 V
 600 = 480 V, 600 V

BOURNS®

Asia-Pacific: Tel: +886-2 2562-4117 • Fax: +886-2 2562-4116

Europe: Tel: +41-41 768 5555 • Fax: +41-41 768 5510

The Americas: Tel: +1-951 781-5500 • Fax: +1-951 781-5700

www.bourns.com

REV. 05/13

Specifications are subject to change without notice.

The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.

Users should verify actual device performance in their specific applications.

Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

Мы предлагаем:

- Конкуренспособные цены и скидки постоянным клиентам.
- Специальные условия для постоянных клиентов.
- Подбор аналогов.
- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
- Комплексную поставку.
- Работу по проектам и поставку образцов.
- Формирование склада под заказчика.
- Сертификаты соответствия на поставляемую продукцию (по желанию клиента).
- Тестирование поставляемой продукции.
- Поставку компонентов, требующих военную и космическую приемку.
- Входной контроль качества.
- Наличие сертификата ISO.

В составе нашей компании организован Конструкторский отдел, призванный помогать разработчикам, и инженерам.

Конструкторский отдел помогает осуществить:

- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
- Оценку стоимости проекта по компонентам.
- Изготовление тестовой платы монтаж и пусконаладочные работы.



Тел: +7 (812) 336 43 04 (многоканальный)
Email: org@lifeelectronics.ru