



SF102DIN-CLB

SF106DIN-CLB

CCTV - POWER & SIGNAL

Novaris' SF10xDIN-CLB is designed for the effective protection of CCTV systems against induced transient overvoltages. Protection is provided for both power and coaxial cable lines in one convenient package. The unit consists of a single-phase surge filter rated either at 2 or 6 amperes, and a BNC female to female coaxial cable line protector.

All Mode Protection

Novaris models featuring all mode protection provide protection for all combinations of lines (L-N, L-E, N-E) ensuring the maximum level of protection is achieved at all times. They have been designed for installation in all wiring systems worldwide.

Multistage Protection

Models featuring multistage transient protection deliver greater levels of protection through a staged approach. The primary stage absorbs the majority of the surge

energy. The remaining stages provide accurate clamping and a degree of redundancy.

Surge Current Fusing

Surge current fuses allow components to absorb maximum energy but in the event of a component failure the fuse will open to isolate the damaged component.

DIN 43880 Compliant

Protection devices housed in DIN 43880 compliant enclosures allow for convenient installation on DIN rail fittings commonly used in switchboards worldwide.

Safe Metal Enclosure

Novaris surge protection products are housed in safe, all metal enclosures. In the event of a prolonged overvoltage they will not catch fire or explode.

- ◆ All mode protection
- ◆ Multistage transient protection
- ◆ Surge current fusing
- ◆ DIN43880 compliant
- ◆ Safe metal enclosure

Ordering Guide

SF10xDIN-CLB

x= Load current Amps: 2 or 6
Power voltage: 24V
Coaxial voltage: 10V

Alternative power and signal clamping voltages are available on request

Applications

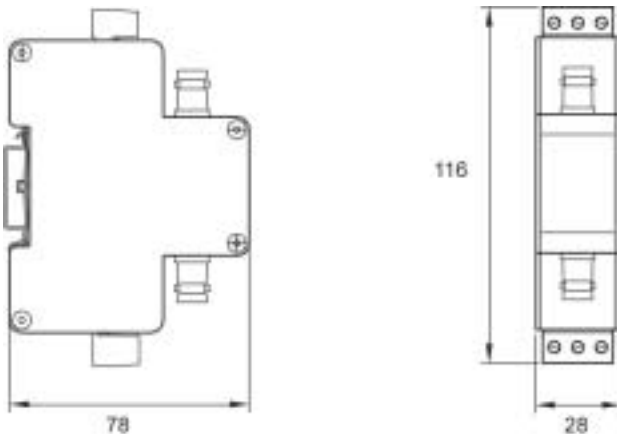
The unique SF10xDIN-CLB is supplied with polarised connection plugs. This prevents inadvertent reversals, and allows the filter to be easily installed replaced or even bypassed if necessary. Standard versions have a voltage rating of 30V AC.



The filter is housed in a strong, all-metal case that is DIN rail mountable. The DIN rail clip provides a low impedance connection to earth.

The coaxial cable protection consists of an in line protector with BNC coaxial connectors on either end (other connector types are available on request). Multistage protection provides high energy surge diversion with a guaranteed 10V let through performance.

Dimensions



Safety

The Siemens Metal Oxide Varistor (MOV) Handbook states:

Overload may result in package rupture and expulsion of hot material. For this reason a varistor should be physically shielded from adjacent components eg. by a suitable metal case.

DINsafe CCTV protectors are enclosed in all-metal enclosures and circuit components are not encapsulated in any form of epoxy resin.

Specifications

Power Line Protection

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| Description | DINsafe surge filter |
| Nominal voltage: | 24V (DC or AC) other voltages available upon request |
| Voltage drop: | <2V at full load current |
| Efficiency: | 99% |
| Earth leakage: | < 0.2mA |
| Protection modes: | Transverse and common mode |
| Protection stages: | MOV/LC Filter/MOV |
| Filter configuration: | LC, transverse and common modes |
| Standards compliance: | AS1768-2003 cat. A, B IEEE C62.41 cat. A, B BS6651:1999 cat A, B UL1449 – 2 nd edition |
| Surge rating: | 2kA per line for 8/20µs pulse |
| Let through voltage 6kV 3kA (8/20µs) pulse: | 50V |
| Frequency response: | 3dB point 800Hz |
| Terminal capacity: | 2.5mm ² polarised plugs |
| Location: | Final subcircuits to AS1768 location categories A and B. |

Signal Line Protection

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| Description: | Coaxial line protector |
| Protection modes: | Transverse and common mode |
| Connection type: | Series |
| Max working voltage: | 8.2V |
| Working temperature: | -40 → 85°C |
| Working humidity: | 90% |
| Surge withstand: | 10kA line to ground (8/20µs) |
| Let through voltage 5kv (10/700µs) pulse: | 10V |
| Response time: | < 1ps |
| Protection stages: | Gas arrester / series impedance / Transorb |
| Insertion loss: | < 1dB at 20MHz |
| Cable impedance: | Suitable for 50 and 75 ohm systems |
| Maximum data rate: | 20Mb/s |
| Weight: | 300g |

Distributed by:



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