

SFH3-630-200-275

**High Current Filter**

Novaris SFH three phase filters provide the highest level of protection with the lowest let through voltage. Installation at a main switch board will protect all the connected downstream equipment.

Percentage Active Display

A digital display confirms the device rating by displaying the percentage active of the redundant segments. The display indicates segment status and thermal overload.

Three Stages of Protection

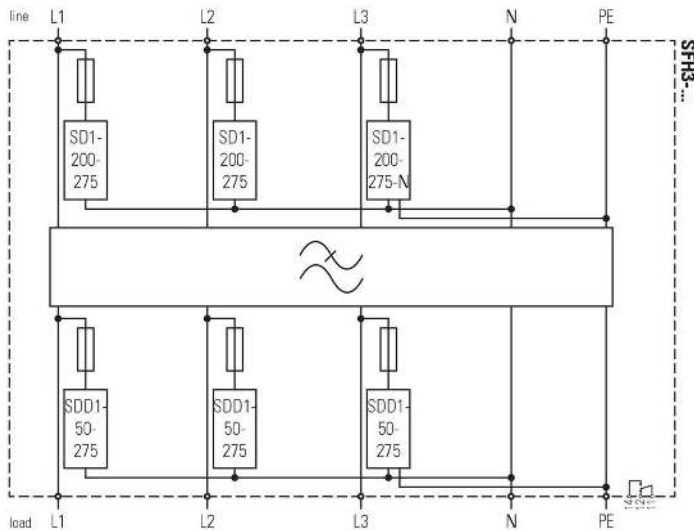
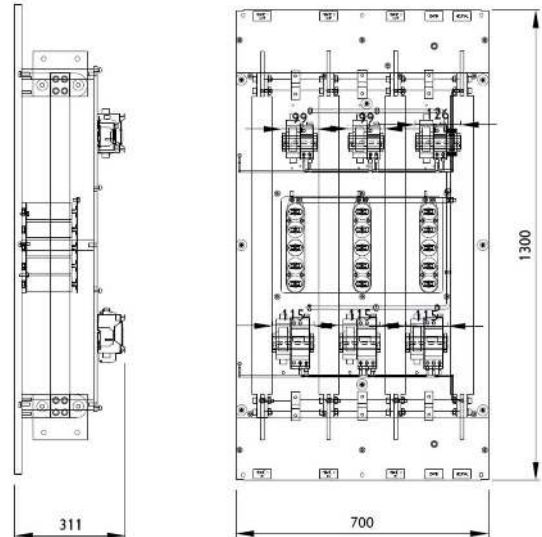
Novaris surge filters have 2 stages of varistor protection separated by a low pass LC filter. This 3 stage combination reduces the effects of high frequency noise and transients to provide the highest level of protection to sensitive loads.

All Mode Protection

Protection is provided for all combinations of lines (L-L, L-N, L-E, N-E) ensuring the maximum level of protection is achieved at all times.

Active Alarm

Fail-safe alarm contact allows for remote monitoring.





Wiring**Dimensions****Standards**

IEC 61643-11
AS/NZS 1768

SPD connected to low-voltage power systems - Type 1+2
A.C. power system SPD - Cat C, B

Product Datasheet

Electrical Specifications

| | | |
|-------------------------------|---|-----------------|
| Connection type |  | Series |
| Modes of protection |  | L-N, L-PE, N-PE |
| Number of ports | | 2 |
| Number of phases |  | 3 |
| Location | | Indoor |
| Nominal voltage | U_0 | 230VAC |
| Short circuit withstand level | I_{SSCR} | 50kA |
| Maximum backup fuse |  | 630A |




Electrical (L-N) Specifications

| | | |
|---------------------------------------|-----------|--------|
| Maximum load current | I_L | 630A |
| Maximum continuous voltage AC | U_c | 275VAC |
| Maximum voltage drop (% of U_0) | | <1% |
| 3dB frequency @ 50Ω | | 800Hz |
| Maximum discharge current (8/20 μs) | I_{max} | 200kA |
| Nominal discharge current (8/20 μs) | I_n | 80kA |
| Lightning impulse current (10/350 μs) | I_{imp} | 25kA |
| Voltage protection level (3kA 8/20μs) | U_p | <360V |














Electrical (N-PE) Specifications

| | | |
|---------------------------------------|-----------|--------|
| Maximum continuous voltage | U_c | 255VAC |
| Maximum discharge current (8/20 μs) | I_{max} | 150kA |
| Lightning impulse current (10/350 μs) | I_{imp} | 100kA |
| Nominal discharge current (8/20 μs) | I_n | 100kA |
| Voltage protection level (1kV/μs) | U_p | <1000V |

Indication Specifications

| | | |
|-----------------------|---|--------------------------------|
| Alarm contact voltage | | 230VAC |
| Alarm contact current | | 2A |
| Display |  | LED power and thermal failure |
| Alarm |  | SPDT power and thermal failure |
| Alarm isolation |  | 4kV |

Mechanical Specifications

| | | |
|--------------------------------|---|--------------------|
| Minimum operating temperature |  | -40°C |
| Maximum operating temperature |  | 70°C |
| Minimum operating humidity |  | 5% |
| Maximum operating humidity |  | 95% |
| Mounting method |  | Panel |
| Environmental rating |  | IP20 |
| Terminal capacity - power |  | 16mm ² |
| Terminal screw torque - power |  | 2Nm |
| Terminal capacity - alarms |  | 2.5mm ² |
| Terminal screw torque - alarms |  | 0.5Nm |
| Length |  | 311mm |
| Width |  | 700mm |
| Height |  | 1300mm |

Other Specifications

| | | |
|--------------|---|------------------|
| Product Code |  | SFH3-630-200-275 |
|--------------|---|------------------|