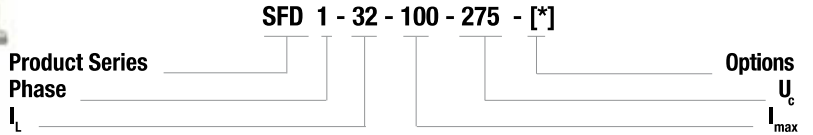


SFD Surge Filters - Single Phase

Novaris SFD surge filters provide the highest level of protection for critical and essential equipment up to 32A per phase. Their compact design makes them an ideal choice for space restricted applications.



| | | | | | | | |
|----------------|----------------|----------------|------------------|----------------|-----------------|----------------|-----------------|
| SFD1-2-6.5-275 | SFD1-6-6.5-275 | SFD1-10-50-275 | SFD1-10-50-275-A | SFD1-20-50-275 | SFD1-20-100-275 | SFD1-32-50-275 | SFD1-32-100-275 |
|----------------|----------------|----------------|------------------|----------------|-----------------|----------------|-----------------|

| Electrical Specifications | | | | | | | | |
|--|------------|----------------------------|----|------|---|-------|------|-------|
| Connection type | | Series | | | | | | |
| Modes of protection | | All mode (L-N, L-PE, N-PE) | | | | | | |
| Phases | | 1 | | | | | | |
| Nominal voltage | U_o | 240V / 50Hz | | | | | | |
| Maximum continuous voltage | U_c | 275V / 50Hz | | | | | | |
| Maximum load current | I_L | 2A | 6A | 10A | 20A | 32A | | |
| Maximum discharge current (8/20µs) (L-N) | I_{max} | 6.5kA | | 50kA | 50kA | 100kA | 50kA | 100kA |
| Nominal Discharge Current (8/20µs) | I_n | 3kA | | 20kA | | 40kA | 20kA | 40kA |
| Voltage protection level @ 3kA (8/20µs) | U_p | <700V | | | <600V | | | |
| Response time | t_A | Instantaneous | | | | | | |
| Earth leakage current | | <500µA | | | <10µA | | | |
| Maximum voltage drop (% of U_o) | ΔU | <1% | | | | | | |
| Display | | LED status optional | | | LED status | | | |
| Alarms (optional) | | - | | | Segment / thermal failure, clean SPDT contact | | | |
| Alarm isolation to active circuitry | | - | | | 4kV | | | |

| Mechanical Specifications | | | | | | | | |
|----------------------------------|--|--|------|------|-------------------|------|------|------|
| Operating temperature / humidity | | -40 to +70°C / 5 to 95% non-condensing | | | | | | |
| Connection type | | Screw terminal | | | | | | |
| Terminal capacity - power | | 2.5mm ² | | | 16mm ² | | | |
| Terminal capacity - alarm | | 2.5mm ² | | | | | | |
| Terminal screw torque - power | | 0.5Nm | | | 2.0Nm | | | |
| Terminal screw torque - alarm | | 0.5Nm | | | | | | |
| Environmental | | IP 20 | | | | | | |
| Mounting | | TS35 DIN rail | | | | | | |
| Enclosure / colour | | Metal / Black | | | | | | |
| Weight | | 350g | 440g | 600g | 605g | 625g | 730g | 750g |

| Standards Compliance |
|-----------------------------|
| IEC 61643-1 class II, III |
| AS/NZS 1768 categories A, B |
| IEEE C62.41 categories A, B |
| BS 6651 categories A, B |
| CP 33 categories A, B |
| IEC 1000-4-5 |
| UL1449 third edition |

| Dimensions | | | | |
|------------|-----------------------|------|------|-------|
| Width | 27mm (54mm with LED) | 54mm | 72mm | 108mm |
| Height | 116mm (95mm with LED) | | 95mm | |
| Depth | 78mm | | 70mm | |

| Options [*] | | |
|-----------------------------------|--------------|---|
| LED indication and external alarm | L (LED only) | A |
| Polycarbonate enclosure | | P |

* 2A and 6A models in old style extrusion