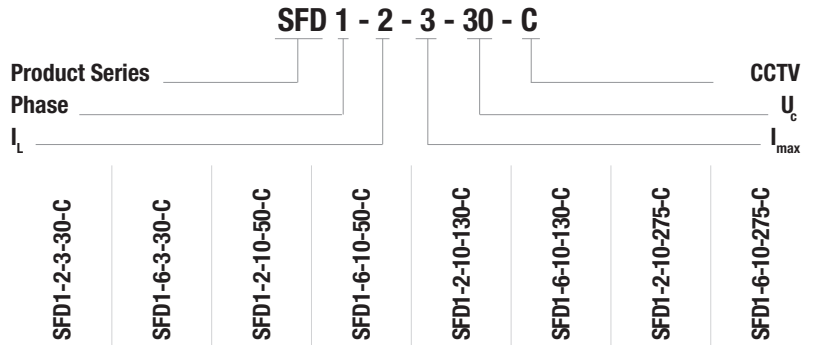




SFD Combined Power and Signal Protectors

Novaris protection for both power and signal is provided in one compact and economical DIN compliant package. Ideal for security and CCTV camera protection.



| Power Line Protection | | | | | | | | | |
|---|------------|---|-------------------|--------------------|--------------------|----|----|----|----|
| Connection type | | Series | | | | | | | |
| Modes of protection | | All mode (L-N, L-PE, N-PE) | | | | | | | |
| Nominal voltage | U_0 | 24V / 50Hz / 60Hz | 40V / 50Hz / 60Hz | 110V / 50Hz / 60Hz | 230V / 50Hz / 60Hz | | | | |
| Maximum continuous voltage | U_c | 30V / 50Hz / 60Hz | 50V / 50Hz / 60Hz | 130V / 50Hz / 60Hz | 275V / 50Hz / 60Hz | | | | |
| Phases | | 1 | | | | | | | |
| Maximum discharge current (8/20 μ s) | I_{max} | 3kA | | 10kA | | | | | |
| Maximum load current | I_L | 2A | 6A | 2A | 6A | 2A | 6A | 2A | 6A |
| Protection stages | | Metal oxide varistor / LC filter / metal oxide varistor | | | | | | | |
| Voltage protection level @ 3kA (8/20 μ s) | U_p | <100V | <180V | <450V | <750V | | | | |
| Response time | t_A | Instantaneous | | | | | | | |
| Earth leakage current | | <500 μ A | | | | | | | |
| Maximum voltage drop (% of U_0) | ΔU | <1% | | | | | | | |

| Signal Line Protection | | | | | | | | | |
|--|-----------|---|--|--|--|--|--|--|--|
| Connection type | | Series | | | | | | | |
| Modes of protection | | Transverse and common modes | | | | | | | |
| Maximum continuous voltage | U_c | 8.2V | | | | | | | |
| Maximum discharge current (8/20 μ s) | I_{max} | 20kA | | | | | | | |
| Maximum load current | I_L | 500mA | | | | | | | |
| Protection stages | | Gas discharge tube / series impedance / SAD | | | | | | | |
| Impulse voltage 1.2/50 μ s | U_p | 14V | | | | | | | |
| 3dB frequency | | 200MHz | | | | | | | |
| Insertion loss | | <1dB @ 20MHz | | | | | | | |

| Mechanical Specifications | | | | | | | | | |
|----------------------------------|--|--|--|--|--|--|--|--|--|
| Operating temperature / humidity | | -40 to +85°C / 5 to 95% non-condensing | | | | | | | |
| Connector type - power | | 2.5mm ² polarised plugs | | | | | | | |
| Connector type - signal | | Female / female BNC | | | | | | | |
| Terminal screw torque | | 0.5 Nm | | | | | | | |
| Environmental | | IP 20 | | | | | | | |
| Mounting | | TS35 DIN rail | | | | | | | |
| Weight | | 200g | | | | | | | |

| Dimensions | | | | | | | | | |
|------------|--|-------|--|--|--|--|--|--|--|
| Width | | 18mm | | | | | | | |
| Height | | 116mm | | | | | | | |
| Depth | | 70mm | | | | | | | |

Standards Compliance

- IEC 61643-11 class III
- AS/NZS 1768 categories A
- IEEE C62.41 categories A
- IEC 1000-4-5
- UL1449 fourth edition
- ITU-T K.44
- IEC 61643-21
- UL497B