

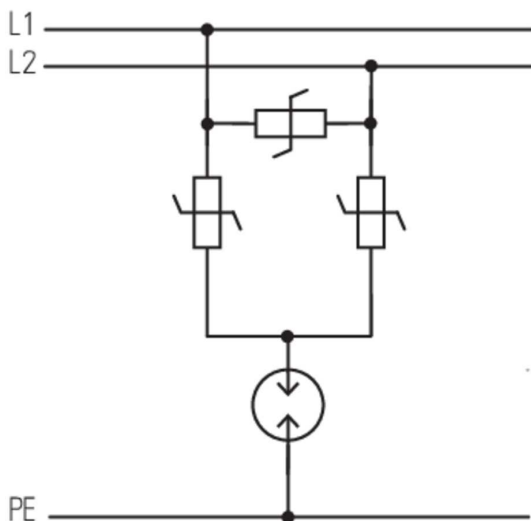
IDD2-50-D480



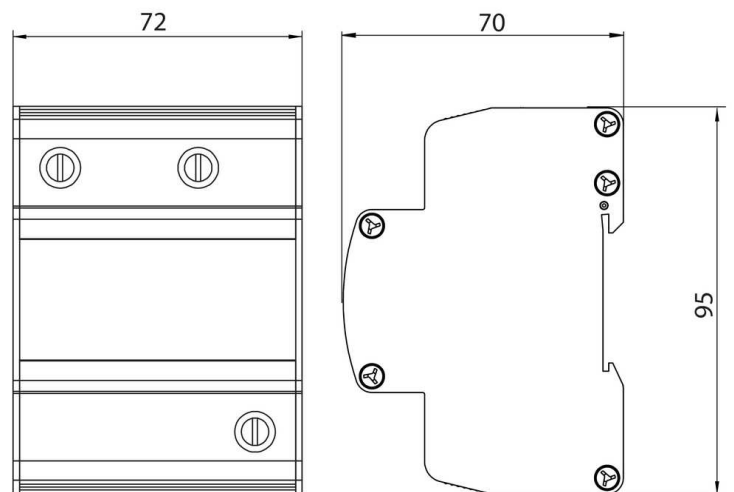
IDD2 DINsafe Surge Diverter

Novaris IDD2 surge diverters provide surge protection for two phase, balanced AC power feeds and for DC supplies that may not necessarily have one polarity earthed. The IDD2 provides both common and transverse mode protection with earth leakage current in the microamp range. The IDD2 is housed in a DIN compliant fail-safe metal enclosure.

Wiring



Dimensions







Standards

IEC 61643-21

SPD connected to telecommunications and signaling networks

Product Datasheet

Electrical Specifications

| | | |
|-------------------------------|---|-------------|
| Connection type |  | Shunt |
| Modes of protection |  | L-L & L-PE |
| Number of ports | | 1 |
| Number of phases |  | 2 |
| Location | | Indoor |
| Nominal voltage | U_0 | 440VAC |
| Nominal DC voltage | | 620VDC |
| Short circuit withstand level | I_{SSCR} | 25kA |
| Maximum backup fuse |  | 32A |
| Recommended SCB | | SCB1-3-80 |
| Earth leakage current | I_{PE} | <10 μ A |

Electrical (L-L) Specifications

| | | |
|---|-----------|--------|
| Maximum continuous voltage AC | U_C | 480VAC |
| Maximum continuous voltage DC | U_C | 680VDC |
| Maximum discharge current (8/20 μ s) | I_{max} | 50kA |
| Nominal discharge current (8/20 μ s) | I_n | 20kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <1500V |
| Response time | t_A | <5ns |














Electrical (L-PE) Specifications

| | | |
|---|-----------|--------|
| Maximum discharge current (8/20 μ s) | I_{max} | 60kA |
| Nominal discharge current (8/20 μ s) | I_n | 50kA |
| Voltage protection level (3kA 8/20 μ s) | U_p | <1100V |
| Voltage protection level (1kV/ μ s) | U_p | <1300V |
| Response time | t_A | <5ns |

Indication Specifications

| | | |
|---------|---|-------------------------------|
| Display |  | LED power and thermal failure |
|---------|---|-------------------------------|

Mechanical Specifications

| | | |
|-------------------------------|---|-------------------|
| Minimum operating temperature |  | -40°C |
| Maximum operating temperature |  | 70°C |
| Minimum operating humidity |  | 5% |
| Maximum operating humidity |  | 95% |
| Mounting method |  | TS35 DIN Rail |
| Environmental rating |  | IP20 |
| Enclosure material |  | Aluminium |
| Enclosure finish |  | Black powdercoat |
| Terminal capacity - power |  | 16mm ² |
| Terminal screw torque - power |  | 2Nm |
| Length |  | 95mm |
| Width |  | 72mm |
| Height |  | 70mm |

Other Specifications

| | | |
|--------------|---|--------------|
| Product Code |  | IDD2-50-D480 |
|--------------|---|--------------|

Shipping Specifications

| | | |
|----------------|---|--------------------|
| Weight |  | 300g |
| Customs tariff |  | 85363000, 85363010 |