

Type 2 N/PE Surge Protector

DS40G



This Type 2 AC surge protector is designed to be associated with DS10 or DS40 surge protector to order to provide a common and differential mode protection, following the CT2 configuration (IEC 60364-5-534), refer pages A31 and A33.

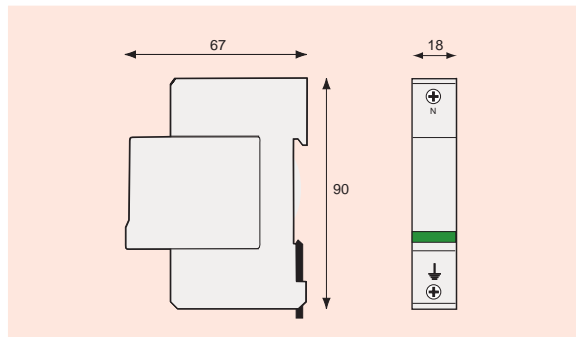
The DS40G is connected only between Neutral wire (N) and Protective Earth wire (PE).

The internal protection component is a specific gas tube which allows high discharge current in 8/20µs waveform and low residual voltages.

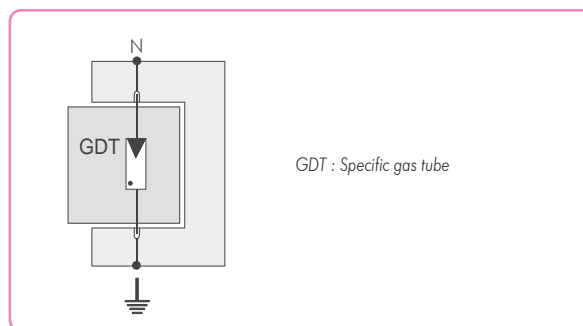
The DS40G is made a fixed base and a plug-in module in order to comply mechanically with the DS10/DS40 range.

- Type 2 N/PE surge protectors
- DS40/DS10 series compliance
- Discharge currents : I_n : 20 kA / I_{max} : 40 kA
- Plug-in or non pluggable
- Comply IEC 61643-1 and EN 61643-11

Dimensions (in mm)



Electrical diagram



Characteristics

| CITEL part number | | DS40G-600 |
|---------------------------------------|------------------|---|
| Network | | 230/400V or 120/208V |
| Maximum operating voltage | U _c | 255 Vac |
| Temporary overvoltage withstand | U _T | 400 Vac |
| Operating current | I _c | none |
| Leakage current at U _c | | |
| Follow current interruption | I _{fi} | > 100 A |
| Nominal discharge current | I _n | 20 kA |
| 15 x 8/20 µs impulses | | |
| Maximum discharge current | I _{max} | 40 kA |
| max withstand 8/20 µs | | |
| Protection level (at I _n) | U _p | 1.5 kV |
| Admissible short-circuit current | | 25000 A |
| Mechanical characteristics | | |
| Configuration | | Pluggable |
| Dimensions | | See diagram |
| Connection | | by screw terminal : 4-25 mm ² / by bus |
| Mounting | | symmetrical rail 35 mm |
| Operating temperature | | -40/+85 °C |
| Protection class | | IP20 |
| Housing material | | Thermoplastic UL94-V0 |
| Standards compliance | | |
| NF EN 61643-11 | France | Parafoudre Basse Tension - Essais Classe II |
| IEC 61643-1 | International | Low Voltage SPD - Test Class II |
| EN 61643-11 | Europe | Parafoudre Basse Tension - Essais Classe II |

