

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.

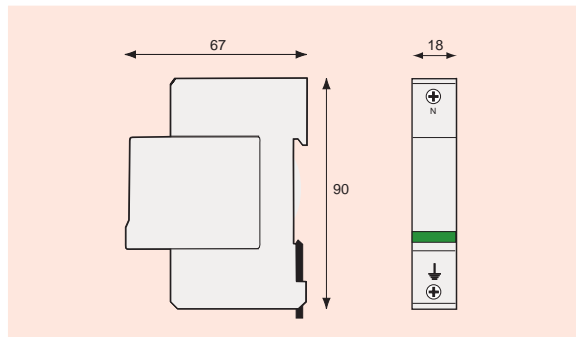
The DS40G is connected only between Neutral wire (N) and Protective Earth wire (PE).

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

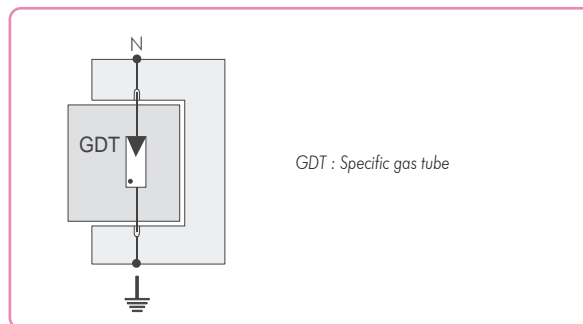
The DS40G is made a fixed base and a plug-in module in order to comply mechanically with the DS10/DS40 range.

- 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

