THE POWERLINE SERIES

12-00396

Type 1 N/PE AC power surge protector



Features

- N/PE Type 1 Surge Protector
- Limp: 45kA (10/350µs
- Imax: 150kA (8/20µs)
- Adapted to DS250/DS150 range
- EN 61643-11 and IEC 61643-11 Compliance
- UL 1449 ed.2 Recognition

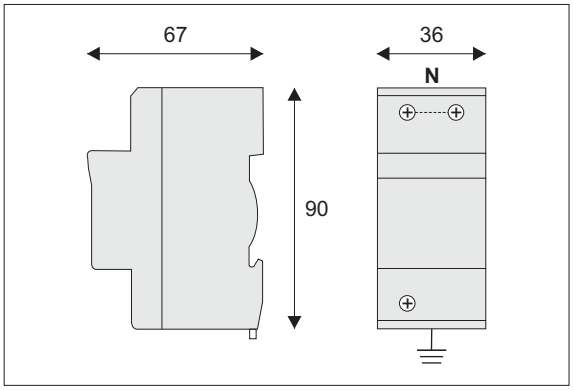
This Type 1 Surge Protector is designed to be used in association with DS150 surge protectors to provide common and differential surge protection for AC networks, following the <<CT2>> configuration in IEC60364-5-534 standard.

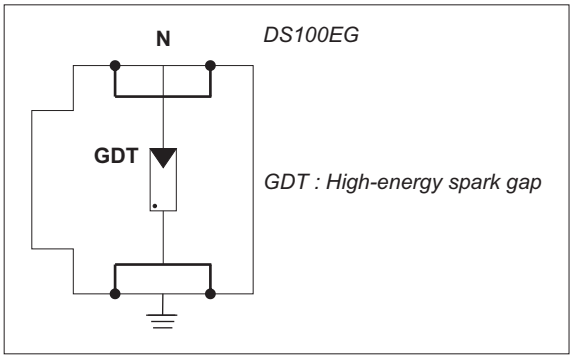
The DS100EG is connected between the Neutral (N) and Protective Earth (PE) wires.

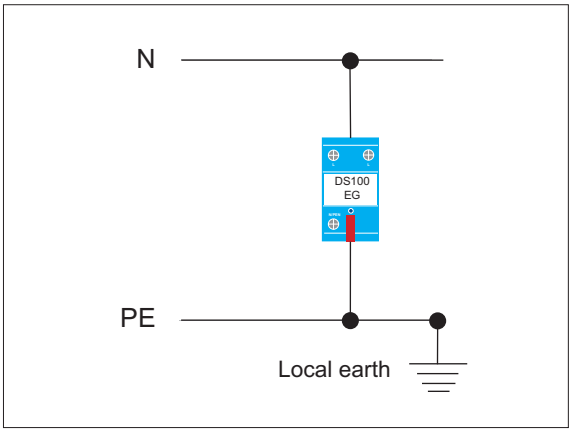
The DS100EG is based on CITEL P100 high energy gas tube, which provides much lower residual voltages than the air spark gap technology and a very high discharge current capability on a 10/350µs or 8/20µs impulses.

It is mechanically similar to the DS150 series, therefore making easy to use both products jointly.

Dimensions and Diagram







Specifications		
Part Number Description	**DS100EG-600**	
Network	230/400V	
Connection mode	N/PE	
AC system	TT,TNS	
Max. operating voltage	400VAC	Uc
Temporary overvoltage withstand	400VAC	UT
Operating current (Leakage current at Uc)	None	Ic
Flow current	Yes	If
Nominal discharge current 15 x 8/20µs impulses)	50kA	In
Max. discharge current (Max. withstand 10/350µs)	150kA	Imax
Max. lightning current by pole (max. withstand 10/350µs)	45kA	limp
Protection pole (At In)	1.5kV	Up
Admissible short-circuit current	25000A	

Mechanical specification	
Dimensions	See diagram
Connections	By screw terminals: 6-35mm²/by bus
Mounting	Symmetrical rail 35mm
Operating temperature	-40°C to 85°C
Protection class	IP20
Housing Material	Thermoplastic PEI UL94-5VA

Standards compliance		
NF EN 61643-11	France	Parafoudre Basse Tension - Essais Classe I et II
IEC 61643-11	International	Low voltage SPD - Test Class I and II
EN 61643-11	Europe	Low voltage SPD - Test Class I and II
UI1449 ed.2	USA	Low voltage TVSS

Designed and Manufactured by:

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ENGINEERED POWER SOLUTIONS