limp 100kA

Din Rail AC Power Surge Protectior

DS100EG

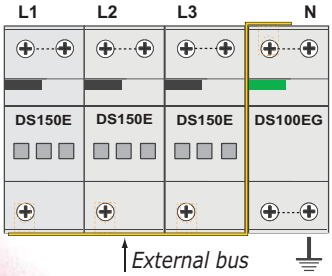
DS100EG-600

DS100EG is a heavy duty gas discharge tube module to be used in association with DS250VG and DS150E AC Surge Protective Devices (SPD). This module is typically connected in the Neutral to Ground mode only of an AC power system and provides common plus differential mode surge protection with fewer modules.

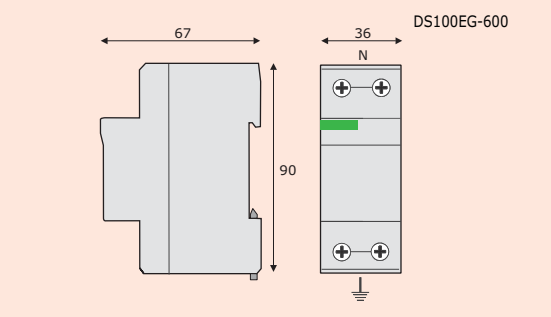
The DS100EG is based on CITEL's high energy BF gas discharge tube which provides lower residual voltages than air spark gap technologies while providing very high surge discharge current capability to 200kA 8/20us and 100kA 10/350us. The module is din rail mountable with dual terminal connectors for in-line wiring up to 250A.

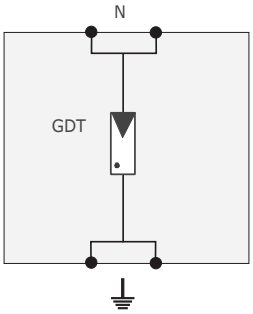
Association with DS150E protectors

For example : DS154E-300/G



Dimensions and Diagram (in mm)





GDT: High-energy spark gap

Characteristics

CITEL Part Number	DS100EG-600
AC Network	120/208V 277/480V
Connection Mode	N/PE
UL Max. Operating Voltage (MCOV)	480Vac
TOV Withstand (UT)	400Vac
IEC/UL Nominal Discharge Current (In) *15 impulses 8/20 µs*	50kA/20kA
Max. Discharge Current (Imax) *1 impulse 8/20 µs*	200kA
Max. Lightning Current (limp) *1 impulse 10/350 µs*	100kA
UL Voltage Protection Rating (VPR)	1500V
Protection Level at In (Up)	1.5kV
UL Short-Circuit Current Rating (SCCR)	100kAIC
Leakage Current at MCOV (Ic)	none
Follow Current (If)	yes
AC System	N-G Mode Only
Thermal Disconnector	UL 60691
Overcurrent Protection	Time Delay - 250A Max.
Dimensions	90 x 18 x 67 (in mm)
Connection	by screw terminals, 6-35 mm/by bus
Remote Signal Indicator	250Vac Max, 2A
Mounting	Din Rail, 35mm Symmetrical
Operating Temp	-50°C to +85°C
Operating Altitude	13,000 ft (4,000m)
Relative Humidity	5 to 95% non-condensing, up to 100% external
Enclosure Material	Thermoplastic UL94-V0
Environmental Rating	IP20
Weight	7.2 oz
Standards Compliance	
IEC 61643-1 - INTERNATIONAL	Class I and II
EN 61643-11 - EUROPE	Class I and II
NF EN 61643-11 - FRANCE	Class I and II
UL1449 3rd Edition - USA	Type 4, Type 2 Location
UL1449 3rd Edition - CANADA	Type 4, Type 2 Location
CSA C22.2 No. 8-M1986	Class 9091 32, Class 9091 92
RoHS	Directive 2002/95/EC

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