



CITEL

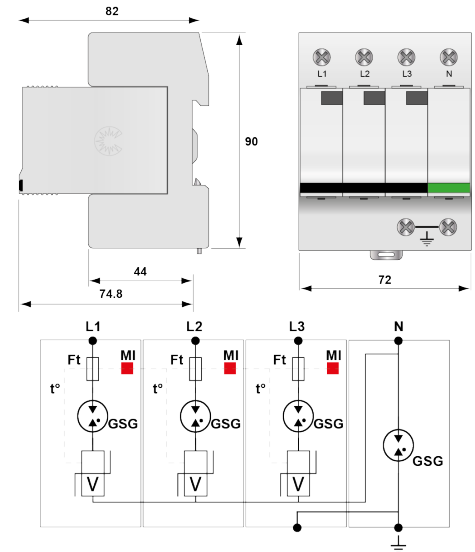


## DS134VG-120/G



- Type 1 + 2 + 3 AC surge protector
- In : 20 kA
- Iimp total : 50 kA on 10/350µs impulse
- Pluggable module
- Optimized to TOV
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 and UL1449 ed.4 compliance

Electrical Characteristics		
SPD type <i>following IEC test</i>		1+2+3
Network		120/208 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	$U_n$	120 Vac
Max. AC operating voltage L-N	$U_c$	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>without disconnection</i>	$U_T$	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>without disconnection or with safety disconnection</i>	$U_T$	230 Vac withstand
Temporary Over Voltage N/PE (TOV HT) <i>without disconnection or with safety disconnection</i>	$U_T$	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	$I_{pe}$	None
Follow current	$I_f$	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	$I_n$	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	$I_{max}$	50 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	$I_{imp}$	12.5 kA
Total lightning current <i>max. total withstand @ 10/350µs</i>	$I_{total}$	50 kA
Withstand on Combinaison waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i>	$U_{oc}$	20 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Admissible short-circuit current	$I_{sccr}$	25000 A
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage <i>@ <math>I_n</math> (8/20 µs)</i>	$U_{p-in}$	0.4 kV
Protection level L/N <i>@ <math>I_n</math> (8/20µs)</i>	$U_p L/N$	1.25 kV
Protection level N/PE <i>@ <math>I_n</math> (8/20µs)</i>	$U_p N/PE$	1.5 kV
Specific energy by pole <i>max. withstand 10/350 µs</i>	$W/R$	40 kJ/ohm



V: High-energy varistor  
 GSG: Specific Gas Tube  
 Ft: Thermal fuse  
 t°: Thermal disconnection system  
 MI: Disconnection indicator



Mechanical Characteristics	
Technology	VG
SPD configuration	3-phase+Neutral
Connection to Network	By screw terminals: 2.5-25 mm <sup>2</sup> / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN60715)
Housing material	Thermoplastic UL94-V0
Operating temperature	-40/+85°C
Protection rating	IP20
Failsafe behavior	Disconnection
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM130VG-120
Remote signaling of disconnection	option DS134VGS-120/G : output on changeover contact
Dimensions	See diagram
Disconnectors	
Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuses Type gG - 125 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification	EAC
Part Number	571664