



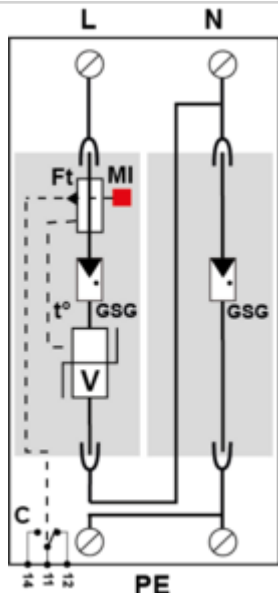
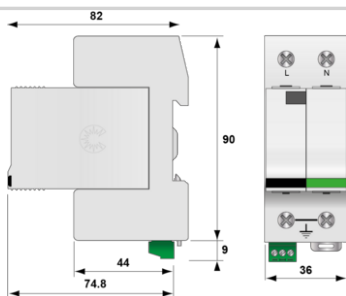
CITEL

Type 1+2+3 AC surge protector - Single phase

DS132VGS-120/G



- Discover our latest innovation : the [DAC1-13VGS-11-150](#)
- Type 1 + 2 + 3 AC surge protector
- In : 20 kA
- Iimp total : 25 kA on 10/350µs impulse
- Pluggable module
- Optimized to TOV
- Remote signaling
- EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics

SPD type	1+2+3
Network	120 V single-phase
AC system	TT-TN
Nominal line voltage	Un 120 Vac
Max. AC operating voltage	Uc 150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT 180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT 230 Vac withstand
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT 1200 V/300A/200 ms withstand
Residual Current	Ipe None
Leakage current to Ground	If None
Follow current	I _f None
Nominal discharge current 15 x 8/20 µs impulses	I _n 20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max} 50 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp} 12.5 kA
Total lightning current max. total withstand @ 10/350µs	I _{total} 25 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	U _{oc} 20 kV
Withstand on overvoltages IEEE C62.41.1	20 kV
Specific energy by pole max. withstand 10/350 µs	W/R 40 kJ/ohm
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Residual voltage @ I _n (8/20 µs)	U _{p-in} 0.4 kV
Protection level L/N @ I _n (8/20µs)	U _{p L/N} 1.25 kV
Protection level N/PE @ I _n (8/20µs)	U _{p N/PE} 1.5 kV
Admissible short-circuit current	I _{sc} 25 000 A

Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm² / by bus
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	T _u -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Spare module(s)	DSM130VG-120 + DSM130VG-120/G
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	Fuses Type gG - 125 A

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL Recognized

Part number

