



# CITEL



## Type 1+2 AC surge protector - 1-pole

### DS131VGS-120

- ▶ Discover our latest innovation : the [DAC1-13VGS-10-150](#)
- ▶ Type 1 + 2 + 3 AC surge protector
- ▶ In : 20 kA
- ▶ Iimp : 12,5 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	IEC	1+2+3
Network		120/208 V
Nominal line voltage	Un	120 Vac
Max. AC operating voltage	Uc	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	230 Vac withstand
Residual Current <i>Leakage current to Ground</i>	Ipe	None
Follow current	If	None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In	20 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax	50 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	Iimp	12.5 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i>	Uoc	20 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole <i>max. withstand 10/350 µs</i>	W/R	40 kJ/ohm
Connection mode(s)		L/N or N/PE
Protection mode(s)		Common/Differential mode
Protection level <i>@ In (8/20µs)</i>	Up	1.25 kV
Residual voltage <i>@ In (8/20 µs)</i>	Up-in	0.4 kV
Admissible short-circuit current	Iscrr	25 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		Single phase
Connection to Network		By screw terminals: 2.5-25mm <sup>2</sup> / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN 60715)
Housing material		Thermoplastic UL94 V-0
Operating temperature	Tu	-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection from AC network
Disconnection indicator		1 mechanical indicator
Spare module(s)		DSM130VG-120
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

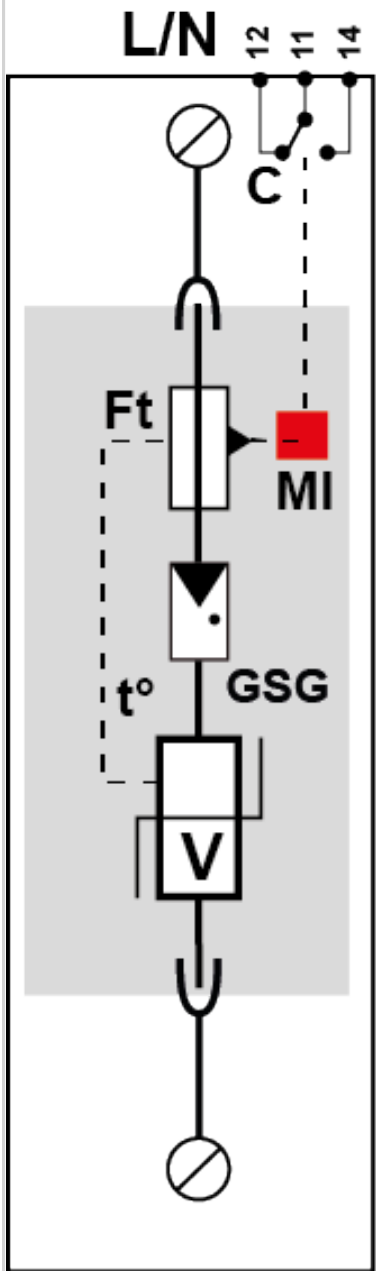
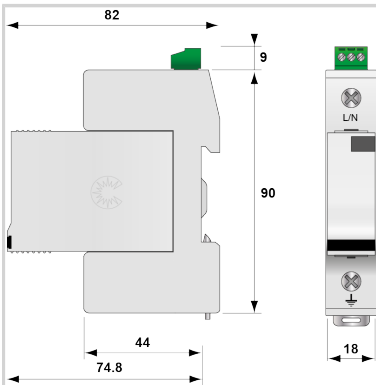


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## DS131VGS-120

Part number

571671



### N/PE

- V: High-energy varistor
- GSG: Specific gas tube
- Ft: Thermal fuse
- C: Remote signaling contact
- t°: Thermal disconnection system
- MI: Disconnection Indicator

