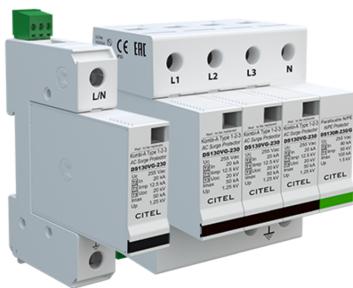




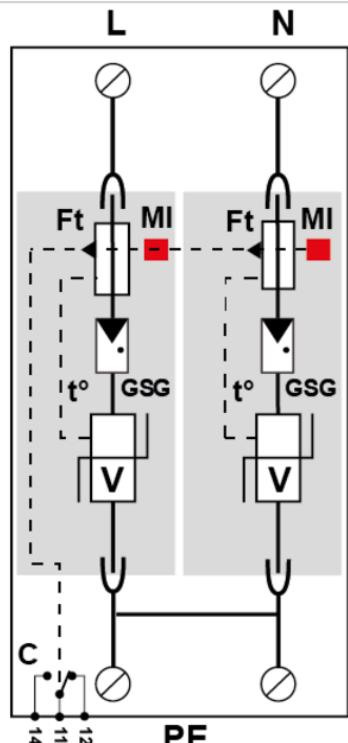
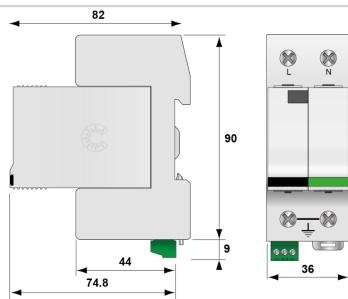
# CITEL

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

### DS132VGS-320/VG



- Discover our latest innovation : the [DAC1-13VGS-11-275](#)
- Type 1 + 2 + 3 AC surge protector
- In : 20 kA
- Impulse total : 25 kA on 10/350 $\mu$ s impulse
- Pluggable module
- Optimized to TOV
- Remote signaling
- EN 61643-11, IEC 61643-11 and UL 1449 ed.4 compliance



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

#### Electrical Characteristics

SPD type	IEC	1+2+3
Network		230 V single-phase
AC system		TT-TN
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	320 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 min Without disconnection or with safety disconnection	UT	440 Vac withstand
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand
Residual Current Leakage current to Ground	Ipe	None
Follow current	If	None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	Imax	50 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	Imp	12.5 kA
Total lightning current max. total withstand @ 10/350 $\mu$ s	Itotal	25 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	Uoc	20 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole max. withstand 10/350 $\mu$ s	W/R	40 kJ/ohm
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Residual voltage @ In (8/20 $\mu$ s)	Up-in	0.6 kV
Protection level L/N @ In (8/20 $\mu$ s)	Up L/N	1.25 kV
Protection level N/PE @ In (8/20 $\mu$ s)	Up N/PE	1.5 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 by pole
Spare module(s)	DSM130VG-230/VG
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.318 kg

#### 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

571976

