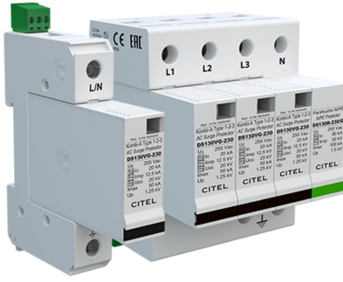




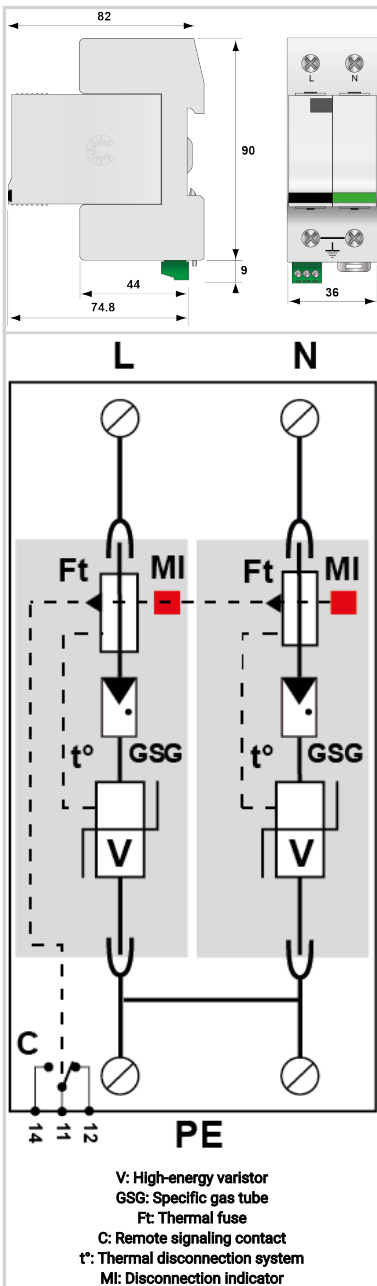
# CITEL

## 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
- ▶ Iimp total : 25 kA on 10/350µs impulse
- ▶ Pluggable module
- ▶ Optimized to TOV
- ▶ Remote signaling
- ▶ EN 61643-11, IEC 61643-11 and UL 1449 ed.4 compliance



#### 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 mn 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   | Ipe     | None                         |
| Leakage current to Ground  |         |                              |
| Follow current   | If      | None                         |
| Nominal discharge current 15 x 8/20 µs impulses  | In      | 20 kA                        |
| Max. discharge current max. withstand @ 8/20 µs by pole  | Imax    | 50 kA                        |
| Impulse current by pole max. withstand 10/350µs by pole  | Iimp    | 12.5 kA                      |
| Total lightning current max. total withstand @ 10/350µs  | Itotal  | 25 kA                        |
| Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs                         | Uoc     | 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 @ In (8/20 µs)  | Up-in   | 0.6 kV                       |
| Protection level L/N @ In (8/20µs)   | Up L/N  | 1.25 kV                      |
| Protection level N/PE @ In (8/20µs)  | 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 |
|----------------------|--|--|

#### Part number

571976

