



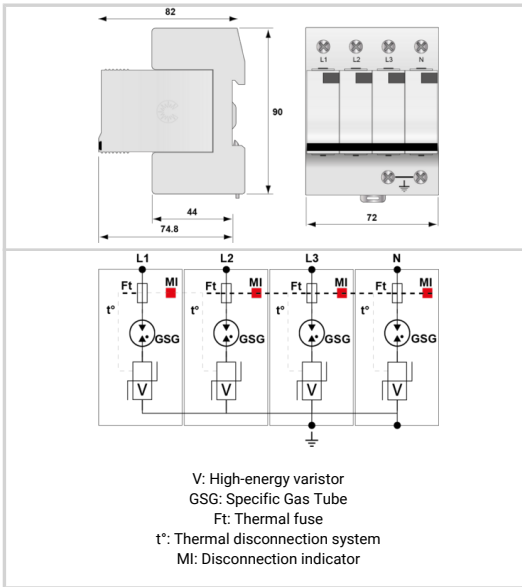
# Type 1+2+3 AC surge protector - 3-phase+N

# CITEL

## DS134VG-120



- ↳ Discover our latest innovation : the [DAC1-13VG-40-150](#)
- ↳ 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.5 compliance



| Electrical Characteristics   |  |
|--|--|
| SPD type   | 1+2+3  |
| Network  | 120/208 V 3-phase+N                                |
| AC system  | TNS  |
| 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                               |
| Residual Current   | Ipe None   |
| Leakage current to Ground  |  |
| Follow current   | If None  |
| Nominal discharge current<br>15 x 8/20 µs impulses   | In 20 kA   |
| Max. discharge current<br>max. withstand @ 8/20 µs by pole   | I <sub>max</sub> 50 kA                             |
| Impulse current by pole<br>max. withstand 10/350µs by pole   | I <sub>imp</sub> 12.5 kA                           |
| Total lightning current<br>max. total withstand @ 10/350µs   | I <sub>total</sub> 50 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<br>max. withstand 10/350 µs  | W/R 40 kJ/ohm                                      |
| Connection mode(s)   | L/PE and N/PE                                      |
| Protection mode(s)   | Common mode  |
| Residual voltage<br>@ In (8/20 µs)   | Up-in 0.4 kV                                       |
| Protection level L/PE<br>@ In (8/20µs)   | Up L/PE 1.25 kV                                    |
| Admissible short-circuit current   | Iscrr 25 000 A                                     |
| Mechanical Characteristics   |  |
| Technology   | VG Technology (MOV+GSG)                            |
| SPD configuration  | 3-phase+Neutral                                    |
| 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-120                                       |
| Remote signaling of disconnection  | option DS134VGS-120 : 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  |  |
| 571654   |  |

