



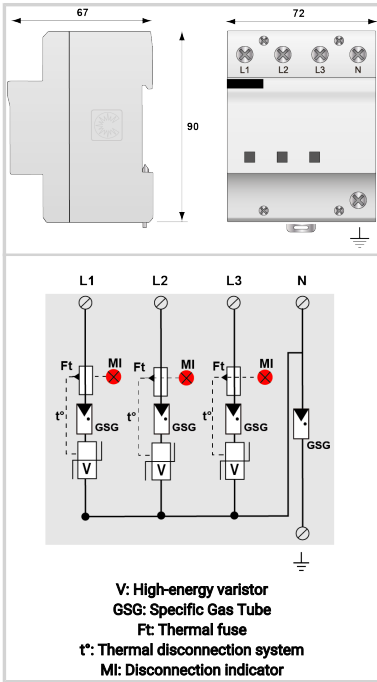
# CITEL



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

### DUT250VG-300/G

- › Type 1+2+3, 3-phase surge protector
- › Common and differential mode
- › Very compact monobloc enclosure
- › Iimp by pole/total : 25kA
- › Internal disconnection, status indicator
- › Optimized to TOV
- › EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



| Electrical Characteristics   |                    |   |
|--|--------------------|---|
| SPD type   | IEC                | 1+2+3   |
| Network  |                    | 230/400 V 3-phase+N                                 |
| AC system  |                    | TT-TNS  |
| Nominal line voltage   | Un                 | 230/400 Vac   |
| Max. AC operating voltage  | Uc                 | 255 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   |                    |   |
| Leakage current to Ground  | Ipe                | None  |
| Follow current   | If                 | None  |
| Nominal discharge current<br>15 x 8/20 $\mu$ s impulses  | In                 | 40 kA   |
| Max. discharge current<br>max. withstand @ 8/20 $\mu$ s by pole  | I <sub>max</sub>   | 100 kA  |
| Impulse current by pole<br>max. withstand 10/350 $\mu$ s by pole   | I <sub>imp</sub>   | 25 kA   |
| Total lightning current<br>max. total withstand @ 10/350 $\mu$ s   | I <sub>total</sub> | 50 kA   |
| Withstand on Combination waveform IEC 61643-11<br>Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s          | Uoc                | 6 kV  |
| Withstand on overvoltages IEEE C62.41.1  |                    | 20 kV   |
| Specific energy by pole<br>max. withstand 10/350 $\mu$ s   | W/R                | 156 kJ/ohm  |
| Connection mode(s)   |                    | L/N and N/PE  |
| Protection mode(s)   |                    | Common/Differential mode                            |
| Protection level L/N<br>@ In (8/20 $\mu$ s)  | Up L/N             | 1.5 kV  |
| Protection level N/PE<br>@ In (8/20 $\mu$ s)   | Up N/PE            | 1.5 kV  |
| Admissible short-circuit current   | I <sub>scrr</sub>  | 50 000 A  |
| Mechanical Characteristics   |                    |   |
| Technology   |                    | VG Technology (MOV+GSG)                             |
| SPD configuration  |                    | 3-phase+Neutral                                     |
| Connection to Network  |                    | By screw terminals: 6-35mm <sup>2</sup> / by bus    |
| Format   |                    | Multipolar modular box                              |
| Mounting   |                    | Symmetrical rail 35 mm (EN 60715)                   |
| Housing material   |                    | Thermoplastic UL94 V-0                              |
| Operating temperature  | Tu                 | -40/+85°C   |
| Protection rating  |                    | IP20  |
| Disconnection indicator  |                    | 3 mechanical indicators by pole                     |
| Remote signaling of disconnection  |                    | none  |
| Dimensions   |                    | See diagram   |
| Disconnectors  |                    |   |
| Thermal disconnector   |                    | Internal  |
| Installation ground fault breaker  |                    | Type 'S' or delayed                                 |
| Back-up protection device  |                    | Fuse assembly: SFD1-25-40S / or Fuses Type gG 315 A |
| Standards  |                    |   |
| Standards compliance   |                    | IEC 61643-11 / EN 61643-11 / UL1449 ed.5            |
| Certification  |                    |   |
| Part number  |                    |   |
| <b>3414</b>  |                    |   |

