



CITEL

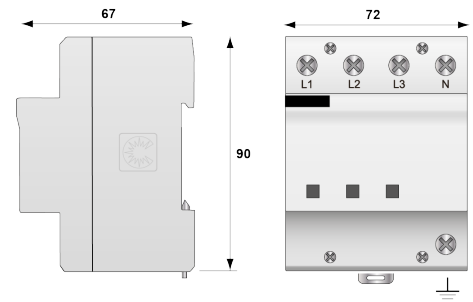


DUT250VG-300/TT

- 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.4 compliance



Electrical Characteristics		
SPD type		1+2+3
Network		230/400 V 3-phase+N
AC system		TT-TNS
Nominal line voltage	U_n	230/400 Vac
Max. AC operating voltage L-N	U_c	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	U_T	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	U_T	440 Vac withstand
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	U_T	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	I_{pe}	None
Follow current	I_f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	40 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	100 kA
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	I_{imp}	25 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	I_{total}	50 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U_{oc}	6 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole <i>max. withstand 10/350 μs</i>	W/R	156 kJ/ohm
Connection mode(s)		L/N and N/PE
Protection mode(s)		Common/Differential mode
Protection level <i>@ I_n (8/20μs)</i>	U_p	1.5 kV
Residual voltage <i>@ I_n (8/20 μs)</i>	U_{p-in}	1.1 kV
Protection level L/N <i>@ I_n (8/20μs)</i>	U_p L/N	1.5 kV
Protection level L/PE <i>@ I_n (8/20μs)</i>	U_p L/PE	1.5 kV
Admissible short-circuit current	I_{sc}	50 000 A



V: High-energy varistor
 GSG: Specific Gas Tube
 Ft: Thermal fuse
 t°: Thermal disconnection system
 MI: Disconnection indicator



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Mechanical Characteristics	
Technology	VG
SPD configuration	3- phase+Neutral
Connection to Network	By screw terminals : 6-35 mm ² / by bus
Format	Multipolar modular box
Mounting	Symmetrical rail 35 mm (EN60715)
Housing material	Thermoplastic UL94-V0
Operating temperature	-40/+85°C
Protection rating	IP20
Disconnection indicator	LED indicators
Remote signaling of disconnection	none
Dimensions	See diagram
Disconnectors	
Thermal disconnecter	Internal
Installation ground fault breaker	Type 'S' or delayed
Fuses	Fuses type gG - 315 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification	UL / EAC / TUV
Part Number	
	3582