



CITEL

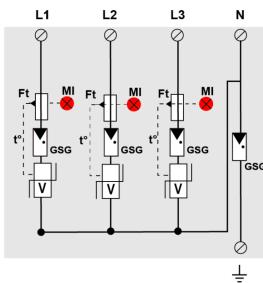
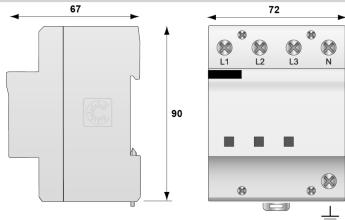


Type 1+2+3 AC surge protector - 3-phase+N

DUT250VG-300/TNS



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



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

Electrical Characteristics

SPD type	IEC	1+2+3
Network		230/400 V 3-phase+N
AC system		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
Residual Current	Ipe	None
Leakage current to Ground	If	None
Follow current	In	40 kA
Nominal discharge current 15 x 8/20 µs impulses	Imax	100 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imp	25 kA
Impulse current by pole max. withstand 10/350 µs by pole		
Total lightning current max. total withstand @ 10/350 µs	Itotal	50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV
Withstand on overvoltages IEEE C62.41.1		20 kV
Specific energy by pole max. withstand 10/350 µs	W/R	156 kJ/ohm
Connection mode(s)		L/N and L/PE
Protection mode(s)		Common/Differential mode
Protection level L/N @ In (8/20µs)	Up L/N	1.5 kV
Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV
Admissible short-circuit current	Isccr	50 000 A
Mechanical Characteristics		
Technology		VG Technology (MOV+GSG)
SPD configuration		3-phase+Neutral
Connection to Network		By screw terminals: 6-35mm ² / 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: SFD1-25-31S / or Fuses Type gG 315 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification		
Part number		
3597		

