



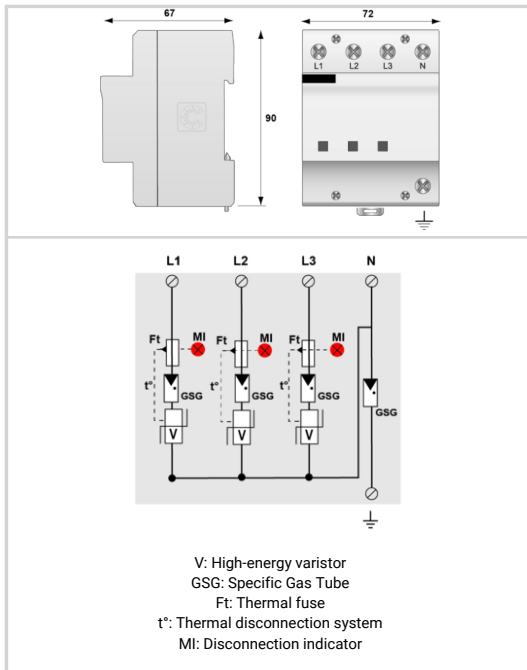
## Type 1+2+3 AC surge protector - 3-phase+N

# CITEL

## DUT250VG-300/TNS



- Type 1+2+3, 3-phase surge protector
- Common and differential mode
- Very compact monobloc enclosure
- $I_{imp}$  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	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 Leakage current to Ground	Ipe None
Follow current	If None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	In 40 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub> 100 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	I <sub>imp</sub> 25 kA
Total lightning current max. total withstand @ 10/350 $\mu$ s	I <sub>total</sub> 50 kA
Withstand on Combination waveform IEC 61643-11 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 max. withstand 10/350 $\mu$ s	W/R 156 kJ/ohm
Connection mode(s)	L/N and L/PE
Protection mode(s)	Common/Differential mode
Protection level L/N @ In (8/20 $\mu$ s)	Up L/N 1.5 kV
Protection level N/PE @ In (8/20 $\mu$ s)	Up N/PE 1.5 kV
Admissible short-circuit current	I <sub>sc</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
Weight	0.63 kg
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	

