



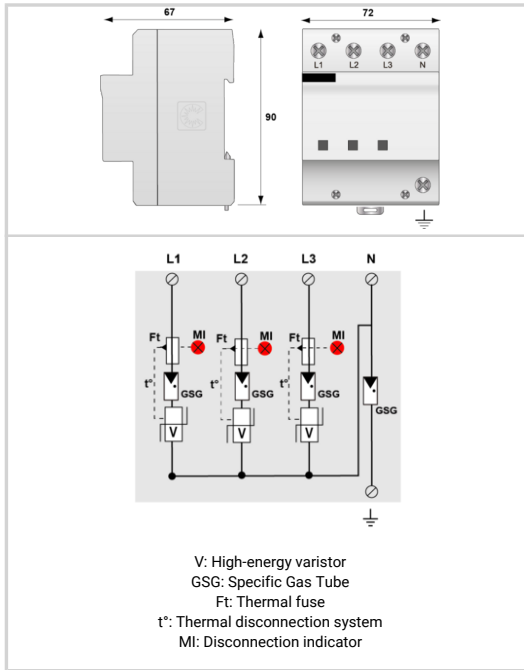
Type 1+2+3 AC surge protector - 3-phase+N

CITEL

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	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 15 x 8/20 μs impulses	In 40 kA
Max. discharge current max. withstand @ 8/20 μs by pole	I _{max} 100 kA
Impulse current by pole max. withstand 10/350 μs by pole	I _{imp} 25 kA
Total lightning current max. total withstand @ 10/350 μs	I _{total} 50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μs - 8/20 μs	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 N/PE
Protection mode(s)	Common/Differential mode
Protection level L/N @ In (8/20 μs)	Up L/N 1.5 kV
Protection level N/PE @ In (8/20 μs)	Up N/PE 1.5 kV
Admissible short-circuit current	I _{sc} 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
Weight	0.62 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	
3414	

