

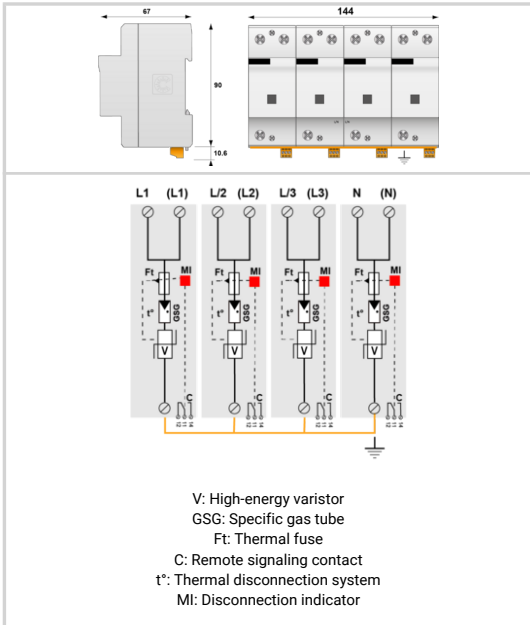


Type 1+2+3 AC surge protector - 3-phase+N

CITEL DS254VG-400



- ▶ Type 1+2+3 unipolar surge protector
- ▶ 25 kA on 10/350µs impulse
- ▶ Low voltage Up
- ▶ Internal disconnection, status indicator and remote signaling
- ▶ Optimized to TOV
- ▶ 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-IT
Nominal line voltage	Un 400 Vac
Max. AC operating voltage	Uc 440 Vac
Max. load current <i>if series connection</i>	IL 100 A
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 580 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 770 Vac withstand
Residual Current <i>Leakage current to Ground</i>	Ipe None
Follow current	If None
Nominal discharge current <i>15 x 8/20 µs impulses</i>	In 30 kA
Max. discharge current <i>max. withstand @ 8/20 µs by pole</i>	Imax 70 kA
Impulse current by pole <i>max. withstand 10/350µs by pole</i>	Iimp 25 kA
Total lightning current <i>max. total withstand @ 10/350µs</i>	Itotal 100 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50µs - 8/20µs</i>	Uoc 20 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/PE and N/PE
Protection mode(s)	Common mode/Differential mode
Residual voltage <i>@ In (8/20 µs)</i>	Up-in 1.1 kV
Protection level N/PE <i>@ In (8/20µs)</i>	Up N/PE 1.5 kV
Protection level L/PE <i>@ In (8/20µs)</i>	Up L/PE 1.5 kV
Admissible short-circuit current	Iscsr 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	1-pole modular box assembled
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-0
Operating temperature	Tu -40/+85°C
Protection rating	IP20
Failsafe mode	Disconnection from AC network
Disconnection indicator	1 mechanical indicator by pole
Remote signaling of disconnection	Output on changeover contact
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	UL Recognized
Part number	
2581	

