



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

CITEL

DS134VGS-120



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↳ Type 1 + 2 + 3 AC surge protector

↳ In : 20 kA

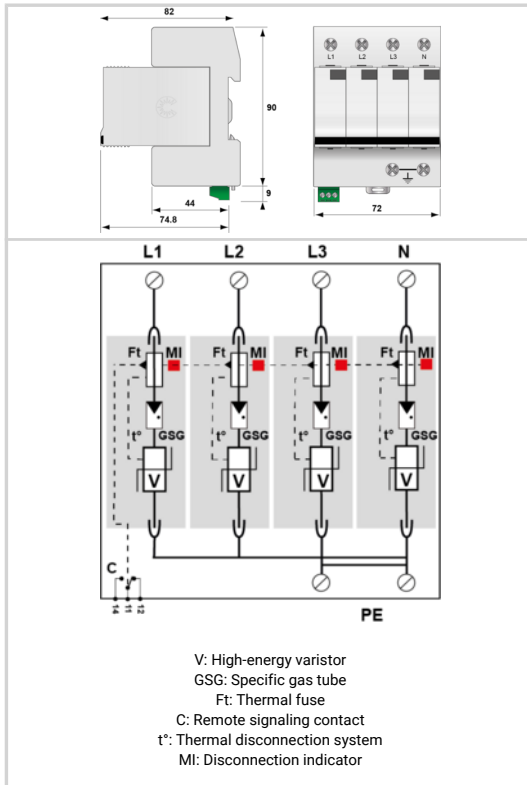
↳ Iimp total : 50 kA on 10/350µs impulse

↳ Pluggable module

↳ Optimized to TOV

↳ Remote signaling

↳ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics			
SPD type	IEC		1+2+3
Network			120/208 V 3-phase+N
AC system			TNS
Nominal line voltage	Un		120 Vac
Max. AC operating voltage	Uc		150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT		180 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT		230 Vac withstand
Residual Current Leakage current to Ground	Ipe		None
Follow current	If		None
Nominal discharge current 15 x 8/20 µs impulses	In		20 kA
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}		50 kA
Impulse current by pole max. withstand 10/350µs by pole	I _{imp}		12.5 kA
Total lightning current max. total withstand @ 10/350µs	I _{total}		50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc		20 kV
Withstand on overvoltages IEEE C62.41.1			20 kV
Specific energy by pole max. withstand 10/350 µs	W/R		40 kJ/ohm
Connection mode(s)			L/PE and N/PE
Protection mode(s)			Common mode
Residual voltage @ In (8/20 µs)	Up-in		0.4 kV
Protection level N/PE @ In (8/20µs)	Up N/PE		1.25 kV
Protection level L/PE @ In (8/20µs)	Up L/PE		1.25 kV
Admissible short-circuit current	Iscsr		25 000 A
Mechanical Characteristics			
Technology			VG Technology (MOV+GSG)
SPD configuration			3-phase+Neutral
Connection to Network			By screw terminals: 2.5-25mm ² / by bus
Format			Plug-in modular box
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
Spare module(s)			DSM130VG-120
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			Fuses Type gG - 125 A
Standards			
Standards compliance			IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification			UL Recognized
Part number			571674

