



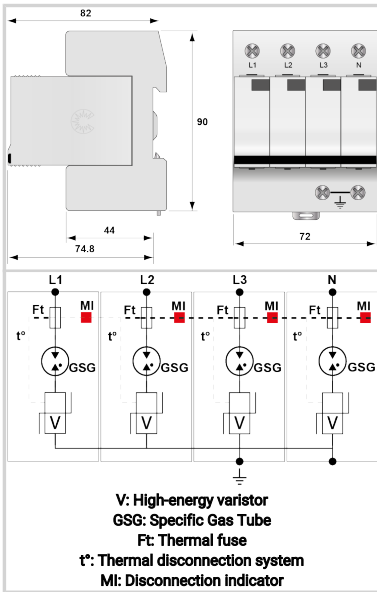
CITEL

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

DS134VG-230



- ▶ Discover our latest innovation : the [DAC1-13VG-40-275](#)
- ▶ 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 (option)
- ▶ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



Electrical Characteristics

SPD type	IEC	1+2+3
Network		480 V 3-phase
AC system		TNS
Nominal line voltage	Un	230 Vac
Max. AC operating voltage	Uc	255 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	Imax	50 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp	12.5 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	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	0.6 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	Iscrc	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-230
Remote signaling of disconnection	option DS134VGS-230 : 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
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Part number

571554

