



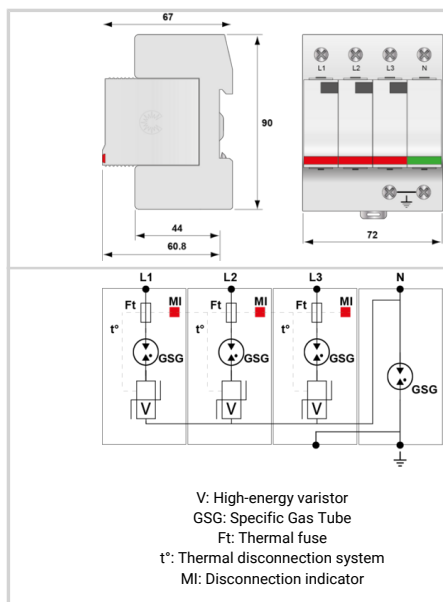
CITEL

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

DS44VG-230/G



- Discover our latest innovation : the [DAC50VG-31-275](#)
- Type 2 + 3 AC Multipolar surge protector
- In : 20 kA
- I_{max} total: 100 kA
- Pluggable module
- Follow and operating current : none
- No ageing
- Optional remote signaling state
- Optimized to TOV
- EN 61643-11, IEC 61643-11, UL1449 ed.5 compliance



Electrical Characteristics

SPD type	2+3
Network	230/400 V 3-phase+N
AC system	TT-TNS
Nominal line voltage	Un 230 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	I _{pe} None
Follow current	I _f None
Nominal discharge current 15 x 8/20 μ s impulses	I _n 20 kA
Max. discharge current max. withstand @ 8/20 μ s by pole	I _{max} 40 kA
Total Maximum discharge current max. total withstand @ 8/20 μ s	I _{max} Total 100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 μ s - 8/20 μ s	Uoc 6 kV
Withstand on overvoltages IEEE C62.41.1	20 kV
Connection mode(s)	L/N and N/PE
Protection mode(s)	Common/Differential mode
Residual voltage @ I _n (8/20 μ s)	Up-in 0.8 kV
Protection level L/N @ I _n (8/20 μ s)	Up L/N 1.25 kV
Protection level N/PE @ I _n (8/20 μ s)	Up N/PE 1.5 kV
Admissible short-circuit current	I _{sc} 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)	DSM40VG-230+DSM80G-600
Remote signaling of disconnection	option DS44VGS-230/G : output on changeover contact
Dimensions	See diagram
Weight	0.323 kg

Disconnectors

Thermal disconnector	Internal
Installation ground fault breaker	Type 'S' or delayed
Back-up protection device	50 A min. - 125 A max. - Fuses Type gG

Standards

Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL Recognized

Part number

461562

