



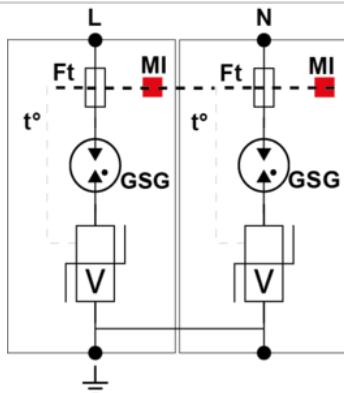
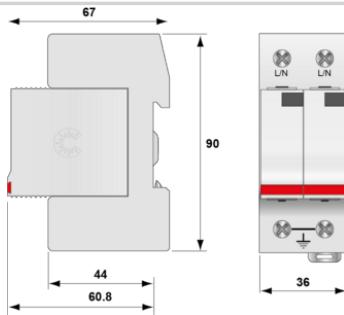
## Type 2+3 AC surge protector - single-phase

**CITEL**

**DS42VG-230**



- Type 2 + 3 AC Multipolar surge protector
- In : 20 kA
- Imax total: 80 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



V: High-energy varistor  
GSG: Specific Gas Tube  
Ft: Thermal fuse  
t°: Thermal disconnection system  
MI: Disconnection indicator

### Electrical Characteristics

SPD type	2+3
Network	230 V single-phase
AC system	TN
Nominal line voltage	Un 230 Vac
Max. AC operating voltage	Uc 255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT 335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT 440 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 20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax 40 kA
Total Maximum discharge current <i>max. total withstand @ 8/20 μs</i>	Imax Total 80 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	Uoc 6 kV
Withstand on overvoltages IEEE C62.41.1	20 kV
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 0.8 kV
Protection level L/PE <i>@ In (8/20μs)</i>	Up L/PE 1.25 kV
Admissible short-circuit current	Isccr 25 000 A

### Mechanical Characteristics

Technology	VG Technology (MOV+GSG)
SPD configuration	Single phase
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> / 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
Remote signaling of disconnection	option DS42VGS-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 - 50 A
Standards	
Standards compliance	IEC 61643-11 / EN 61643-11 / UL1449 ed.5
Certification	UL Recognized
Part number	461551

