

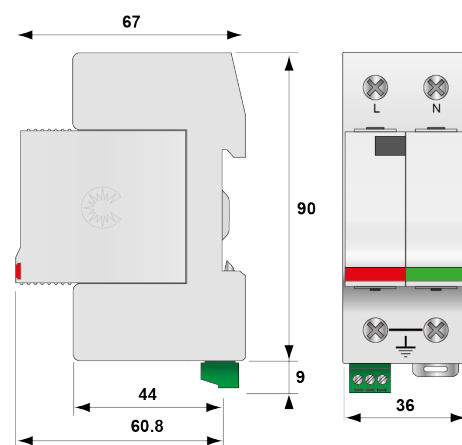
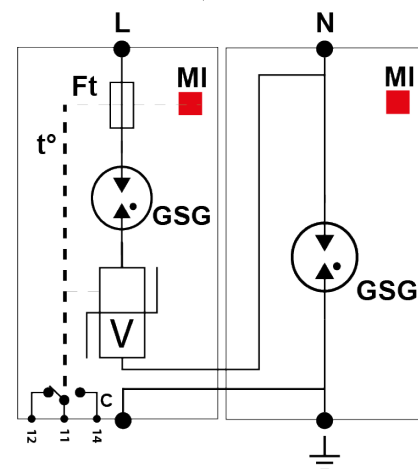


DS42VGS-230/G

- Type 2 + 3 AC Multipolar surge protector
- I_n : 20 kA
- I_{max} total: 100 kA
- Pluggable module
- Follow and operating current : none
- No ageing -remote signaling state
- Optimized to TOV
- EN 61643-11, CEI 61643-11, UL1449 ed.4 compliance



Electrical Characteristics		
SPD type		2+3
Network		230 V single-phase
AC system		TT-TN
Nominal line voltage	U_n	230 Vac
Max. AC operating voltage L-N	U_c	255 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	U_T	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	U_T	440 Vac withstand
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	U_T	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	I_{pe}	None
Follow current	I_f	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	40 kA
Total Maximal discharge current <i>max. total withstand @ 8/20 μs</i>	I_{max} Total	80 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	U_{oc}	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>@ I_n (8/20 μs)</i>	U_{p-in}	0.8 kV
Protection level L/N <i>@ I_n (8/20μs)</i>	U_p L/N	1.25 kV
Protection level N/PE <i>@ I_n (8/20μs)</i>	U_p N/PE	1.5 kV
Admissible short-circuit current	I_{sc}	25000 A



V: High-energy varistor
GSG: Specific gas tube
Ft: Thermal fuse
C: Remote signaling contact
t°: Thermal disconnection system
MI: Disconnection indicator



CITEL

Type 2+3 AC surge protector - single-phase

AC POWER

Mechanical Characteristics		
Technology		VG
SPD configuration		3-phase
Connection to Network		By screw terminals: 2.5-25 mm ² / by bus
Format		Plug-in modular box
Mounting		Symmetrical rail 35 mm (EN60715)
Housing material		Thermoplastic UL94-V0
Operating temperature		-40/+85°C
Protection rating		IP20
Failsafe mode		Disconnection
Disconnection indicator		1 mechanical indicator by pole
Spare module(s)		DSM40VG-230+DSM80G-600
Remote signaling of disconnection		Output on changeover contact
Dimensions		See diagram
Weight		0.18 kg
Disconnectors		
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Fuses		Fuses type gG - 50 A
Standards		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 4ed.
Certification		UL / EAC / TUV
Part Number		461581