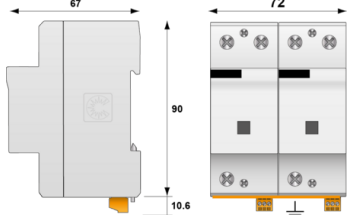
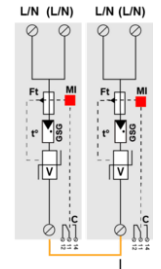


DS252VG-120



- Type 1+2+3 unipolar surge protector
- 25 kA on 10/350µs impulse
- Low voltage Up
- Internal disconnection, status indicator and remote signaling
- Optimized to TOV
- IEC 61643-11 and UL1449 ed.5 compliance



	Electrical Characteristics																																																																						
 <p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>1+2+3</td></tr> <tr><td>Network</td><td></td><td>120 V single-phase</td></tr> <tr><td>AC system</td><td></td><td>TN</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>120 Vac</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>150 Vac</td></tr> <tr><td>Max. load current if series connection</td><td>IL</td><td>100 A</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>180 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>230 Vac withstand</td></tr> <tr><td>Residual Current Leakage current to Ground</td><td>Ipe</td><td>None</td></tr> <tr><td>Follow current</td><td>If</td><td>None</td></tr> <tr><td>Nominal discharge current 15 x 8/20 µs impulses</td><td>In</td><td>30 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 µs by pole</td><td>I_{max}</td><td>70 kA</td></tr> <tr><td>Impulse current by pole max. withstand 10/350µs by pole</td><td>I_{imp}</td><td>25 kA</td></tr> <tr><td>Total lightning current max. total withstand @ 10/350µs</td><td>I_{total}</td><td>50 kA</td></tr> <tr><td>Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs</td><td>Uoc</td><td>20 kV</td></tr> <tr><td>Withstand on overvoltages IEEE C62.41.1</td><td></td><td>20 kV</td></tr> <tr><td>Specific energy by pole max. withstand 10/350 µs</td><td>W/R</td><td>156 kJ/ohm</td></tr> <tr><td>Connection mode(s)</td><td></td><td>L/PE and N/PE</td></tr> <tr><td>Protection mode(s)</td><td></td><td>Common mode/Differential mode</td></tr> <tr><td>Residual voltage @ In (8/20 µs)</td><td>Up-in</td><td>0.7 kV</td></tr> <tr><td>Protection level N/PE @ In (8/20µs)</td><td>Up N/PE</td><td>1 kV</td></tr> <tr><td>Protection level L/PE @ In (8/20µs)</td><td>Up L/PE</td><td>1 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>I_{sc}</td><td>50 000 A</td></tr> </table>		SPD type		1+2+3	Network		120 V single-phase	AC system		TN	Nominal line voltage	Un	120 Vac	Max. AC operating voltage	Uc	150 Vac	Max. load current if series connection	IL	100 A	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	30 kA	Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	70 kA	Impulse current by pole max. withstand 10/350µs by pole	I _{imp}	25 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	156 kJ/ohm	Connection mode(s)		L/PE and N/PE	Protection mode(s)		Common mode/Differential mode	Residual voltage @ In (8/20 µs)	Up-in	0.7 kV	Protection level N/PE @ In (8/20µs)	Up N/PE	1 kV	Protection level L/PE @ In (8/20µs)	Up L/PE	1 kV	Admissible short-circuit current	I _{sc}	50 000 A
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