



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

# CITEL

## DS253E-690/WD



- Type 1+2 surge protector
- For 400/690 V network
- In: 35 kA
- Iimp: 25 kA
- Low voltage Up
- Internal disconnection, status indicator
- Remote signaling
- IEC 61643-11, EN 61643-11 and UL1449 ed.5 compliance



	<b>Electrical Characteristics</b>																																																	
<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</td> </tr> <tr> <td>Network</td> <td></td> <td>400/690 V</td> </tr> <tr> <td>Nominal line voltage</td> <td>Un</td> <td>690 Vac</td> </tr> <tr> <td>Max. AC operating voltage</td> <td>Uc</td> <td>760 Vac</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td> <td>UT</td> <td>1160 Vac withstand</td> </tr> <tr> <td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td> <td>UT</td> <td>1540 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>35 kA</td> </tr> <tr> <td>Max. discharge current max. withstand @ 8/20 μs by pole</td> <td>Imax</td> <td>140 kA</td> </tr> <tr> <td>Impulse current by pole max. withstand 10/350 μs by pole</td> <td>Iimp</td> <td>25 kA</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</td> </tr> <tr> <td>Protection mode(s)</td> <td></td> <td>Common Mode or Differential Mode</td> </tr> <tr> <td>Protection level L/PE @ In (8/20 μs)</td> <td>Up L/PE</td> <td>3.0 kV</td> </tr> <tr> <td>Admissible short-circuit current</td> <td>Iscrr</td> <td>50 000 A</td> </tr> </table>		SPD type		1+2	Network		400/690 V	Nominal line voltage	Un	690 Vac	Max. AC operating voltage	Uc	760 Vac	Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection	UT	1160 Vac withstand	Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection	UT	1540 Vac withstand	Residual Current Leakage current to Ground	Ipe	None	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	In	35 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	140 kA	Impulse current by pole max. withstand 10/350 μs by pole	Iimp	25 kA	Specific energy by pole max. withstand 10/350 μs	W/R	156 kJ/ohm	Connection mode(s)		L/PE	Protection mode(s)		Common Mode or Differential Mode	Protection level L/PE @ In (8/20 μs)	Up L/PE	3.0 kV	Admissible short-circuit current	Iscrr	50 000 A
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