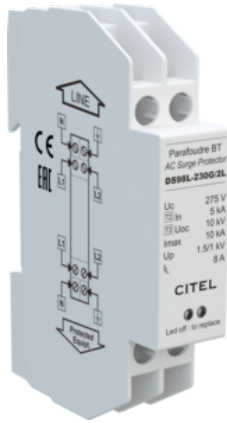




Compact single-phase type 2 (or 3) surge protector - Monobloc

CITEL

DS98L-230G/2L



- Cost effective single-phase surge protector
- Safety disconnection in-line
- Double connection in series
- Common/Differential mode



	Electrical Characteristics																																																							
<p>V: Varistor GSG: Specific gas tube LED: Disconnection indicator Ft: Thermal fuse t*: Thermal system disconnection</p>	<table border="1"> <tr><td>SPD type</td><td></td><td>2 (or 3)</td></tr> <tr><td>Network</td><td></td><td>2-phase + N 230 V</td></tr> <tr><td>AC system</td><td></td><td>TT-TN</td></tr> <tr><td>Nominal line voltage</td><td>Un</td><td>230 Vac</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>275 Vac</td></tr> <tr><td>Max. load current @25°C</td><td>IL</td><td>8 A</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 5 sec. Without disconnection</td><td>UT</td><td>335 Vac withstand</td></tr> <tr><td>Temporary Over Voltage (TOV) Characteristics - 120 mn Without disconnection or with safety disconnection</td><td>UT</td><td>440 Vac disconnection</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>5 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 μs by pole</td><td>Imax</td><td>10 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>10 kV</td></tr> <tr><td>Withstand on overvoltages IEEE C62.41.1</td><td></td><td>10 kV</td></tr> <tr><td>Connection mode(s)</td><td></td><td>L/N/PE</td></tr> <tr><td>Protection mode(s)</td><td></td><td>Common/Differential mode</td></tr> <tr><td>Protection level L/N @ In (8/20μs)</td><td>Up L/N</td><td>1 kV</td></tr> <tr><td>Protection level N/PE @ In (8/20μs)</td><td>Up N/PE</td><td>1.5 kV</td></tr> <tr><td>Admissible short-circuit current</td><td>Iscsr</td><td>10 000 A</td></tr> </table>		SPD type		2 (or 3)	Network		2-phase + N 230 V	AC system		TT-TN	Nominal line voltage	Un	230 Vac	Max. AC operating voltage	Uc	275 Vac	Max. load current @25°C	IL	8 A	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 disconnection	Follow current	If	None	Nominal discharge current 15 x 8/20 μs impulses	In	5 kA	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	10 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	10 kV	Withstand on overvoltages IEEE C62.41.1		10 kV	Connection mode(s)		L/N/PE	Protection mode(s)		Common/Differential mode	Protection level L/N @ In (8/20μs)	Up L/N	1 kV	Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV	Admissible short-circuit current	Iscsr	10 000 A
SPD type		2 (or 3)																																																						
Network		2-phase + N 230 V																																																						
AC system		TT-TN																																																						
Nominal line voltage	Un	230 Vac																																																						
Max. AC operating voltage	Uc	275 Vac																																																						
Max. load current @25°C	IL	8 A																																																						
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 disconnection																																																						
Follow current	If	None																																																						
Nominal discharge current 15 x 8/20 μs impulses	In	5 kA																																																						
Max. discharge current max. withstand @ 8/20 μs by pole	Imax	10 kA																																																						
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	10 kV																																																						
Withstand on overvoltages IEEE C62.41.1		10 kV																																																						
Connection mode(s)		L/N/PE																																																						
Protection mode(s)		Common/Differential mode																																																						
Protection level L/N @ In (8/20μs)	Up L/N	1 kV																																																						
Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV																																																						
Admissible short-circuit current	Iscsr	10 000 A																																																						
Mechanical Characteristics																																																								
<table border="1"> <tr><td>SPD configuration</td><td></td><td>2-phase+N</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminals: 2.5mm² max.</td></tr> <tr><td>Format</td><td></td><td>Monobloc modular box</td></tr> <tr><td>Mounting</td><td></td><td>Symmetrical rail 35 mm (EN 60715)</td></tr> <tr><td>Housing material</td><td></td><td>Thermoplastic UL94 V-0</td></tr> <tr><td>Operating temperature</td><td>Tu</td><td>-40/+85°C</td></tr> <tr><td>Protection rating</td><td></td><td>IP20</td></tr> <tr><td>Failsafe mode</td><td></td><td>Disconnection from AC network</td></tr> <tr><td>Disconnection indicator</td><td></td><td>Green LED OFF</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>No</td></tr> <tr><td>Dimensions</td><td></td><td>See diagram</td></tr> <tr><td>Weight</td><td></td><td>0.069 kg</td></tr> </table>			SPD configuration		2-phase+N	Connection to Network		By screw terminals: 2.5mm ² max.	Format		Monobloc 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		Green LED OFF	Remote signaling of disconnection		No	Dimensions		See diagram	Weight		0.069 kg																		
SPD configuration		2-phase+N																																																						
Connection to Network		By screw terminals: 2.5mm ² max.																																																						
Format		Monobloc 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		Green LED OFF																																																						
Remote signaling of disconnection		No																																																						
Dimensions		See diagram																																																						
Weight		0.069 kg																																																						
Disconnectors																																																								
<table border="1"> <tr><td>Thermal disconnector</td><td></td><td>Internal</td></tr> <tr><td>Installation ground fault breaker</td><td></td><td>Type 'S' or delayed</td></tr> <tr><td>Back-up protection device</td><td></td><td>Fuse type gG - 16 A</td></tr> </table>			Thermal disconnector		Internal	Installation ground fault breaker		Type 'S' or delayed	Back-up protection device		Fuse type gG - 16 A																																													
Thermal disconnector		Internal																																																						
Installation ground fault breaker		Type 'S' or delayed																																																						
Back-up protection device		Fuse type gG - 16 A																																																						
Standards																																																								
<table border="1"> <tr><td>Standards compliance</td><td></td><td>IEC 61643-11 / EN 61643-11 / UL1449 ed.5</td></tr> <tr><td>Certification</td><td></td><td></td></tr> </table>			Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	Certification																																																		
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5																																																						
Certification																																																								
<table border="1"> <tr><td>Part number</td><td></td><td>351933</td></tr> </table>			Part number		351933																																																			
Part number		351933																																																						

