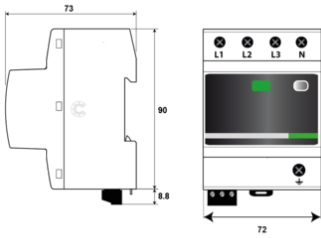
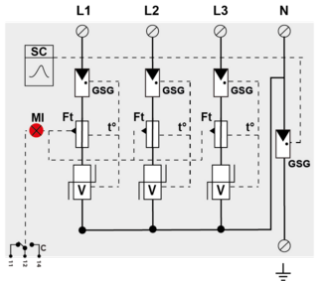


DACN1-25CVGS-31-150/SC



- Type 1 + 2+3 AC surge protector
- Integrated surge counter
- VG Technology
- Iimp: 25 kA on 10/350µs impulse
- In: 25 kA
- Optimized to TOV
- No leakage current
- Monobloc
- Remote signaling
- EN 61643-11, IEC 61643-11 complied



	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>120/208 V 3-phase+N</td></tr> <tr><td>AC system</td><td></td><td>TT-TNS</td></tr> <tr><td>Max. AC operating voltage</td><td>Uc</td><td>150 Vac</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>Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection</td><td>UT</td><td>1200 V/300A/200 ms 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>25 kA</td></tr> <tr><td>Max. discharge current max. withstand @ 8/20 µs by pole</td><td>I_{max}</td><td>100 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>100 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>6 kV</td></tr> <tr><td>Protection level L/N @ In (8/20µs)</td><td>Up L/N</td><td>? kV</td></tr> <tr><td>Protection level N/PE @ In (8/20µs)</td><td>Up N/PE</td><td>? kV</td></tr> <tr><td>Minimum current sensibility</td><td>I_{tc}</td><td>100 A</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		120/208 V 3-phase+N	AC system		TT-TNS	Max. AC operating voltage	Uc	150 Vac	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	Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand	Residual Current Leakage current to Ground	Ipe	None	Follow current	If	None	Nominal discharge current 15 x 8/20 µs impulses	In	25 kA	Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	100 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}	100 kA	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV	Protection level L/N @ In (8/20µs)	Up L/N	? kV	Protection level N/PE @ In (8/20µs)	Up N/PE	? kV	Minimum current sensibility	I _{tc}	100 A	Admissible short-circuit current	I _{sc}	50 000 A
SPD type		1+2+3																																																						
Network		120/208 V 3-phase+N																																																						
AC system		TT-TNS																																																						
Max. AC operating voltage	Uc	150 Vac																																																						
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																																																						
Temporary Over Voltage N/PE (TOV HT) Without disconnection or with safety disconnection	UT	1200 V/300A/200 ms withstand																																																						
Residual Current Leakage current to Ground	Ipe	None																																																						
Follow current	If	None																																																						
Nominal discharge current 15 x 8/20 µs impulses	In	25 kA																																																						
Max. discharge current max. withstand @ 8/20 µs by pole	I _{max}	100 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}	100 kA																																																						
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50µs - 8/20µs	Uoc	6 kV																																																						
Protection level L/N @ In (8/20µs)	Up L/N	? kV																																																						
Protection level N/PE @ In (8/20µs)	Up N/PE	? kV																																																						
Minimum current sensibility	I _{tc}	100 A																																																						
Admissible short-circuit current	I _{sc}	50 000 A																																																						
	Mechanical Characteristics																																																							
	<table border="1"> <tr><td>Technology</td><td></td><td>VG Technology (MOV+GSG)</td></tr> <tr><td>SPD configuration</td><td></td><td>3-phase+Neutral</td></tr> <tr><td>Connection to Network</td><td></td><td>By screw terminals: 2.5-25mm² (35mm² rigid)</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>1 mechanical indicator - Red/Green</td></tr> <tr><td>Remote signaling of disconnection</td><td></td><td>Output on changeover contact</td></tr> <tr><td>Wiring for remote signaling</td><td></td><td>1.5 mm² max.</td></tr> <tr><td>Max. Voltage/Current for remote signaling</td><td></td><td>250 V / 0.5 A (AC) / 30 V / 3 A (DC)</td></tr> <tr><td>Weight</td><td></td><td>0.662 kg</td></tr> </table>		Technology		VG Technology (MOV+GSG)	SPD configuration		3-phase+Neutral	Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² rigid)	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		1 mechanical indicator - Red/Green	Remote signaling of disconnection		Output on changeover contact	Wiring for remote signaling		1.5 mm ² max.	Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)	Weight		0.662 kg												
Technology		VG Technology (MOV+GSG)																																																						
SPD configuration		3-phase+Neutral																																																						
Connection to Network		By screw terminals: 2.5-25mm ² (35mm ² rigid)																																																						
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		1 mechanical indicator - Red/Green																																																						
Remote signaling of disconnection		Output on changeover contact																																																						
Wiring for remote signaling		1.5 mm ² max.																																																						
Max. Voltage/Current for remote signaling		250 V / 0.5 A (AC) / 30 V / 3 A (DC)																																																						
Weight		0.662 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>315 A max. - Fuses Type gG / or SFD1-25S</td></tr> </table>		Thermal disconnector		Internal	Installation ground fault breaker		Type 'S' or delayed	Back-up protection device		315 A max. - Fuses Type gG / or SFD1-25S																																													
Thermal disconnector		Internal																																																						
Installation ground fault breaker		Type 'S' or delayed																																																						
Back-up protection device		315 A max. - Fuses Type gG / or SFD1-25S																																																						
	Standards																																																							
	Standards compliance																																																							
	EN 61643-11 / IEC 61643-11																																																							
	Part number																																																							
	64169																																																							

