



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

# CITEL

## DACN1-25CVGS-31-275



- Type 1 + 2+3 AC surge protector
- 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



	<b>Electrical Characteristics</b>		
	SPD type	1+2+3	
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact t*: Thermal disconnection system MI: Disconnection indicator</p>	Network	230/400 V 3-phase+N	
	AC system	TT-TNS	
	Max. AC operating voltage	Uc	275 Vac
	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 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 <sub>max</sub>	100 kA
	Impulse current by pole max. withstand 10/350µs by pole	I <sub>imp</sub>	25 kA
	Total lightning current max. total withstand @ 10/350µs	I <sub>total</sub>	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	1.5 kV
Protection level N/PE @ In (8/20µs)	Up N/PE	1.5 kV	
Admissible short-circuit current	I <sub>sc</sub>	50 000 A	
<b>Mechanical Characteristics</b>			
Technology	VG Technology (MOV+GSG)		
SPD configuration	3-phase+Neutral		
Connection to Network	By screw terminals: 2.5-25mm <sup>2</sup> (35mm <sup>2</sup> 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 <sup>2</sup> max.		
Max. Voltage/Current for remote signaling	250 V / 0.5 A (AC) / 30 V / 3 A (DC)		
Weight	0.658 kg		
<b>Disconnectors</b>			
Thermal disconnector	Internal		
Installation ground fault breaker	Type 'S' or delayed		
Back-up protection device	315 A max. - Fuses Type gG / or SFD1-25S		
<b>Standards</b>			
Standards compliance	EN 61643-11 / IEC 61643-11		
<b>Part number</b>			
64135			

