



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

# CITEL

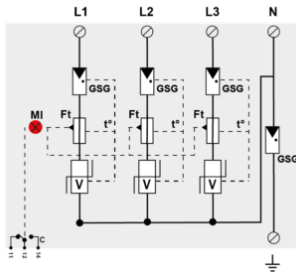
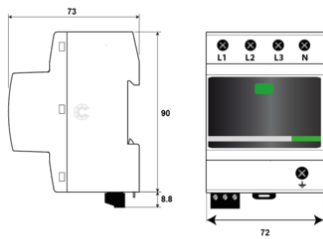
## DACN1-25CVGS-31-275



- Type 1 + 2+3 AC surge protector
- VG Technology
- $i_{imp}$ : 25 kA on 10/350 $\mu$ s impulse
- $I_n$ : 25 kA
- Optimized to TOV
- No leakage current
- Monobloc
- Remote signaling
- EN 61643-11, IEC 61643-11 complied



Electrical Characteristics	
SPD type	1+2+3
Network	230/400 V 3-phase+N
AC system	TT-TNS
Max. AC operating voltage	$U_c$ 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	$I_{pe}$ None
Follow current	$I_f$ None
Nominal discharge current 15 x 8/20 $\mu$ s impulses	$I_n$ 25 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	$I_{max}$ 100 kA
Impulse current by pole max. withstand 10/350 $\mu$ s by pole	$i_{imp}$ 25 kA
Total lightning current max. total withstand @ 10/350 $\mu$ s	$I_{total}$ 100 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	$U_{oc}$ 6 kV
Protection level L/N @ $I_n$ (8/20 $\mu$ s)	$U_p$ L/N 1.5 kV
Protection level N/PE @ $I_n$ (8/20 $\mu$ s)	$U_p$ N/PE 1.5 kV
Admissible short-circuit current	$I_{sc}$ 50 000 A
Mechanical Characteristics	
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	$T_u$ -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
Disconnectors	
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	
64135	



V: High-energy varistor  
 GSG: Specific gas tube  
 Ft: Thermal fuse  
 C: Remote signaling contact  
 t\*: Thermal disconnection system  
 MI: Disconnection indicator

