



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

CITEL

DACN1-25CVGS-31-385



- Type 1 + 2+3 AC surge protector
- VG Technology
- i_{imp} : 25 kA on 10/350 μ 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	Uc	385 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec. <i>Without disconnection</i>	UT	500 Vac withstand
Temporary Over Voltage (TOV) Characteristics - 120 mn <i>Without disconnection or with safety disconnection</i>	UT	650 Vac disconnection
Temporary Over Voltage N/PE (TOV HT) <i>Without disconnection or with safety disconnection</i>	UT	1200 V/300A/200 ms withstand
Residual Current <i>Leakage current to Ground</i>	Ipe	None
Follow current	If	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I_n	25 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I_{max}	100 kA
Impulse current by pole <i>max. withstand 10/350μs by pole</i>	i_{imp}	25 kA
Total lightning current <i>max. total withstand @ 10/350μs</i>	I_{total}	100 kA
Withstand on Combination waveform IEC 61643-11 <i>Class III test: 1.2/50μs - 8/20μs</i>	Uoc	6 kV
Protection level L/N <i>@ I_n (8/20μs)</i>	Up L/N	1.5 kV
Protection level N/PE <i>@ I_n (8/20μs)</i>	Up N/PE	1.5 kV
Admissible short-circuit current	Iscrr	50 000 A

Mechanical Characteristics

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		0.658 kg

Disconnectors

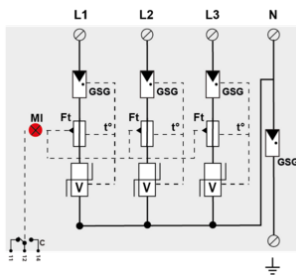
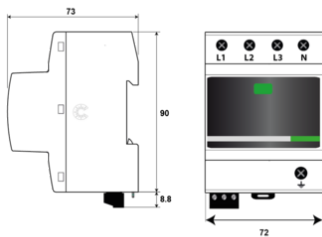
Thermal disconnector		Internal
Installation ground fault breaker		Type 'S' or delayed
Back-up protection device		315 A max. - Fuses Type gG / or SFD1-25S

Standards

Standards compliance		EN 61643-11 / IEC 61643-11
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Part number

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

