



Type 2 AC surge protector - 3-phase+N

CITEL

DAC50VGS-40-275



- ▶ Type 2 + 3 AC surge protector
- ▶ VG Technology
- ▶ In : 20 kA
- ▶ No leakage current
- ▶ Pluggable module for each phase
- ▶ Remote signaling
- ▶ Optimized to TOV
- ▶ EN 61643-11, IEC 61643-11 and UL1449 ed.5 compliance



	Electrical Characteristics		
	SPD type	2+3	
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact MI: Thermal disconnection system</p>	Network	230/400 V 3-phase+N	
	AC system	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
	Residual Current Leakage current to Ground	Ipe	None
	Follow current	If	None
	Nominal discharge current 15 x 8/20 μs impulses	In	20 kA
	Max. discharge current max. withstand @ 8/20 μs by pole	Imax	50 kA
	Total Maximum discharge current max. total withstand @ 8/20 μs	Imax Total	200 kA
	Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc	6 kV
	Connection mode(s)		L/PE and N/PE
Protection level N/PE @ In (8/20μs)	Up N/PE	1.5 kV	
Protection level L/PE @ In (8/20μs)	Up L/PE	1.5 kV	
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.7 kV	
Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA	0.7 kV	
Admissible short-circuit current	Iscsr	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		Plug-in 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 by pole - Red/Green	
Spare module(s)		MDAC50VG-275	
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)	
Dimensions		See diagram - 4TE (EN43880)	
Weight		0.360 kg	
Disconnectors			
Thermal disconnector		Internal	
Installation ground fault breaker		Type 'S' or delayed	
Back-up protection device		50 A min. - 160 A max. - Fuses Type gG	
Standards			
Standards compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.5	
Certification		KEMA	
Part number			
		821130224	

