



Type 2 AC surge protector - 3-phase+N

CITEL

DAC50VGS-40-150



- ▶ 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
	Network	120/208 V 3-phase+N
	AC system	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
	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 0.4 kV
	Residual voltage L/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.4 kV
	Admissible short-circuit current	Iscrc 50 000 A
<p>V: High-energy varistor GSG: Specific gas tube Ft: Thermal fuse C: Remote signaling contact MI: Thermal disconnection system MI: Disconnection indicator</p>	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-150
	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	0.338 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		
	821130124	

