



Type 2 AC surge protector - 3-phase+N

CITEL

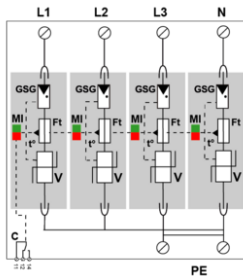
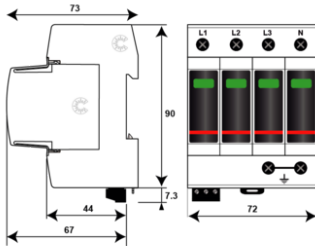
DAC50VGS-40-275



- ▶ 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
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		



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

