



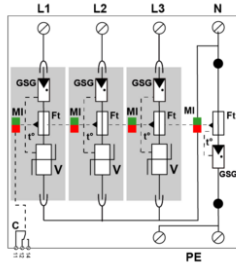
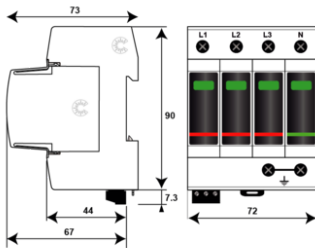
## Type 2 AC surge protector - 3-phase+N

# CITEL

## DAC50VGS-31-275



- ↳ 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



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

### Electrical Characteristics

SPD type	2+3
Network	230/400 V 3-phase+N
AC system	TT-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
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	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	I <sub>max</sub> 50 kA
Total Maximum discharge current max. total withstand @ 8/20 μs	I <sub>max</sub> Total 50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50μs - 8/20μs	Uoc 6 kV
Connection mode(s)	L/N and N/PE
Protection level @ In (8/20μs) and @ 6 kV (1,2/50 μs)	Up L/N 1.5 kV
Protection level N/PE @ In (8/20μs) and @ 6 kV (1,2/50 μs)	Up N/PE 1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.7 kV
Protection level N/PE at 5 kA @ 5 kA (8/20μs)	Up-5kA 0.7 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 <sup>2</sup> (35mm <sup>2</sup> 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+MDAC50G-255
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)
Dimensions	See diagram - 4TE (EN43880)
Weight	0.343 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

821130244

