



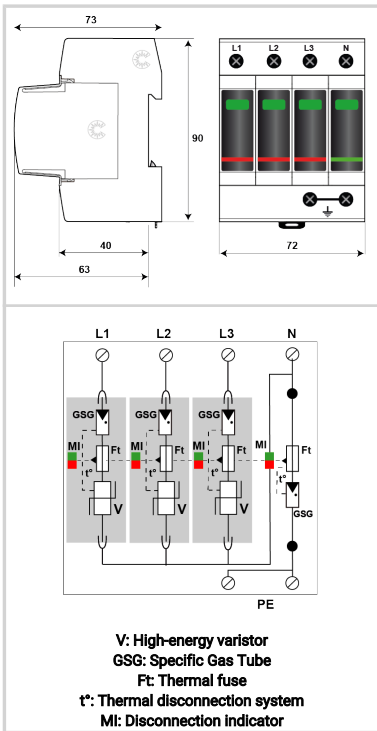
# CITEL

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

### DAC50VG-31-275



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



#### Electrical Characteristics

SPD type	IEC	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 $\mu$ s impulses	In	20 kA
Max. discharge current max. withstand @ 8/20 $\mu$ s by pole	I <sub>max</sub>	50 kA
Total Maximum discharge current max. total withstand @ 8/20 $\mu$ s	I <sub>max</sub> Total	50 kA
Withstand on Combination waveform IEC 61643-11 Class III test: 1.2/50 $\mu$ s - 8/20 $\mu$ s	Uoc	6 kV
Connection mode(s)		L/N and N/PE
Protection level @ In (8/20 $\mu$ s) and @ 6 kV (1,2/50 $\mu$ s)	Up L/N	1.5 kV
Protection level N/PE @ In (8/20 $\mu$ s) and @ 6 kV (1,2/50 $\mu$ s)	Up N/PE	1.5 kV
Residual voltage L/N at 5 kA @ 5 kA (8/20 $\mu$ s)	Up-5kA	0.7 kV
Protection level N/PE at 5 kA @ 5 kA (8/20 $\mu$ s)	Up-5kA	0.7 kV
Admissible short-circuit current	I <sub>scrr</sub>	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		option DAC50VGS-31-275: output on changeover contact
Dimensions		See diagram - 4TE (EN43880)

#### 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

**821130234**

