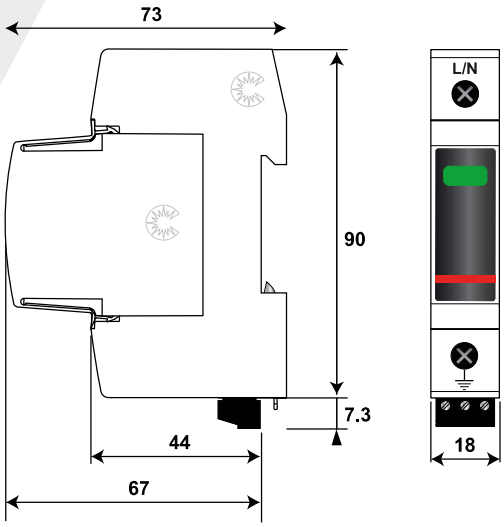
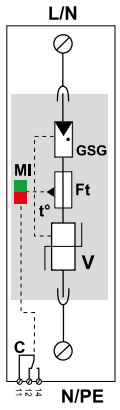
Imax 50 kA

DAC50VGS-10

DAC50VGS SERIES

- Type 2+3 AC Surge Protector
- VG Technology
- In: 20 kA
- No leakage current
- Remote signaling
- Optimized to TOV
- IEC 61643-11, EN 61643-11 certified
- UL1449 ed.5 compliance





V: High energy varistor
GSG: Specific Gas Tube
MI: Disconnection indicator
Ft: Thermal fuse
t°: Thermal disconnection system
C: Contact for remote signal

Characteristics

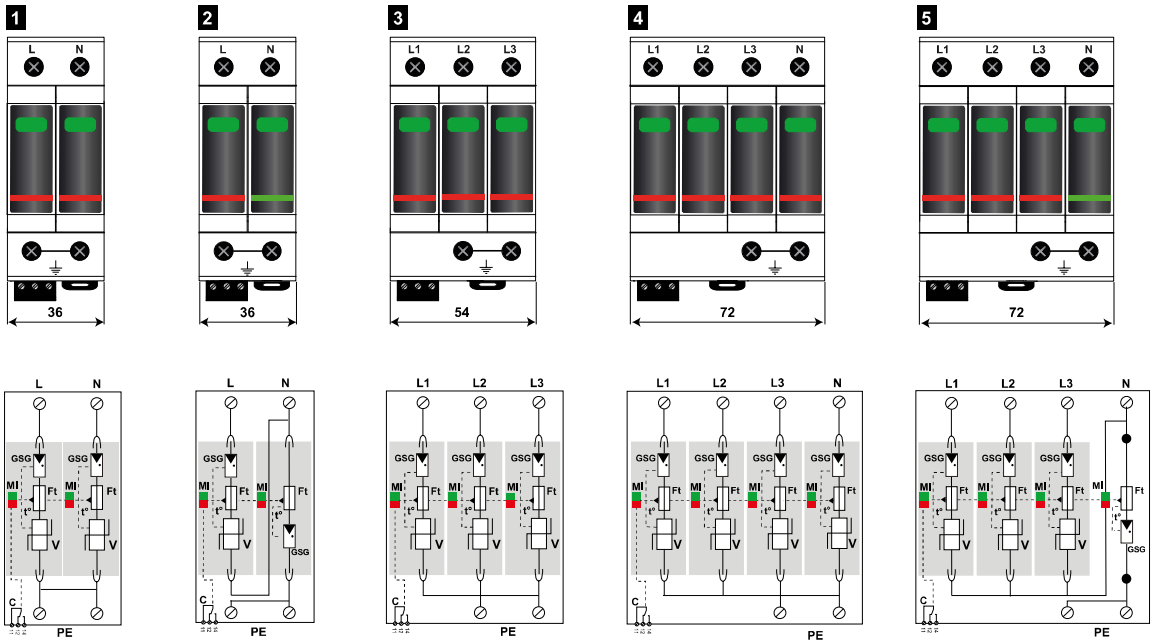
CITEL Model		DAC50VGS-10-320	DAC50VGS-10-275	DAC50VGS-10-150
Description		Type 2 AC surge protector - 1-pole - pluggable		
Maximum AC operating voltage	Uc	320 Vac	275 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristic - 5 sec.	UT	335 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (N/PE TOV) Characteristic -120mn	UT	440 Vac withstand	440 Vac withstand	230 Vac withstand
Residual current *Leakage current at Uc*	Ipe	None	None	None
Follow current	If	None	None	None
Nominal discharge current *5 x 8/20 µs impulses*	In	20 kA	20 kA	20 kA
Maximum discharge current *max. withstand 8/20µs by pole*	Imax	50 kA	50 kA	50 kA
Withstand on combination waveform *- Class III test*	Uoc	6 kV	6 kV	6 kV
Protection level *@ In (8/20µs) and 6 kV(1.2/50µs)*	Up	1.5 kV	1.5 kV	1.5 kV
Residual voltage *@ 5 kA (8/20µs)*	Up-5kA	0.9 kV	0.7 kV	0.4 kV
Admissible short-circuit current	Isccr	50 000 A	50 000 A	50 000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		50 A min. - 160 A max. - gG Type		
Existing upstream ground fault breaker (if any)		Type "S" or delayed		
Mechanical characteristics				
Dimensions		see diagram - 1 TE (DIN43880)		
Connection to Network		By screw terminals: 2.5-25 mm² (35mm² rigid)		
Failsafe mode		Disconnection from AC network		
Disconnection indicator		1 mechanical indicator Green/Red		
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/3 A (DC)		
Wiring for remote signaling		max. 1.5 mm²		
Mounting		Symmetrical rail 35 mm (EN60715)		
Operating temperature		-40/+85°C		
Protection rating		IP20		
Housing material		Thermoplastic UL94 V-0		
Spare unit		MDAC50VG-320	MDAC50VG-275	MDAC50VG-150
Standards				
Certification		KEMA / EAC		
Compliance		EN 61643-11 / IEC 61643-11 / UL1449 ed.5		
Part number				
		821130321	821130221	821130121

DAC50VGS-11, DAC50VGS-20, DAC50VGS-30, DAC50VGS-31, DAC50VGS-40

DAC50VGS-31

DAC50VGS-xx-xxx

- Maximum operating voltage
- Configuration: **10** (single-pole 1+0), **11** (1+1), **20** (2+0), **30** (3+0), **40** (4+0), **31** (3+1)
- «**S**» = Remote signal
- VG Technology



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Model	P/N	Network	AC system	Protection mode	Up L/PE	Up L/N	Up N/PE	Dimension DIN43880	Diagram
DAC50VGS-31-320	821130344	230/400 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	5
DAC50VGS-31-275	821130244	230/400 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	
DAC50VGS-31-150	821130144	120/208 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	
DAC50VGS-40-320	821130324	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV		1.5 kV	4 TE	4
DAC50VGS-40-275	821130224	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DAC50VGS-40-150	821130124	120/208 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DAC50VGS-30-320	821130323	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	3
DAC50VGS-30-275	821130223	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	
DAC50VGS-30-150	821130123	120/208 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	
DAC50VGS-11-320	821130342	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	2
DAC50VGS-11-275	821130242	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DAC50VGS-11-150	821130142	120 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DAC50VGS-20-320	821130322	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	1
DAC50VGS-20-275	821130222	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	
DAC50VGS-20-150	821130122	120 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	