



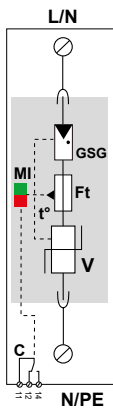
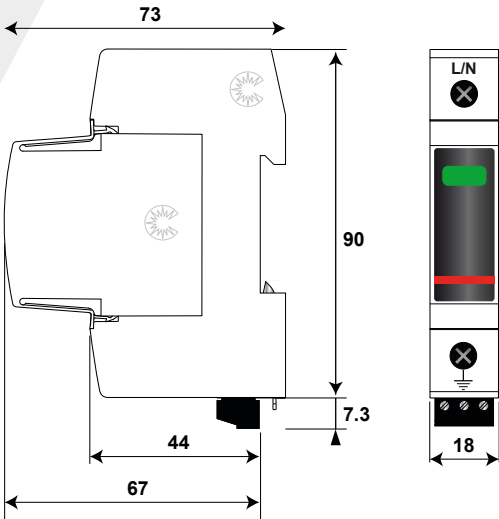
DAC50VGS-10

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

Characteristics



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

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 <i>Leakage current at Uc</i>	Ipe None	None	None
Follow current	If None	None	None
Nominal discharge current <i>5 x 8/20 μs impulses</i>	In 20 kA	20 kA	20 kA
Maximum discharge current <i>max. withstand 8/20μs by pole</i>	Imax 50 kA	50 kA	50 kA
Withstand on combination waveform - Class III test	Uoc 6 kV	6 kV	6 kV
Protection level <i>@ In (8/20μs) and 6 kV (1.2/50μs)</i>	Up 1.5 kV	1.5 kV	1.5 kV
Residual voltage <i>@ 5 kA (8/20μs)</i>	Up-5kA 0.9 kV	0.7 kV	0.4 kV
Admissible short-circuit current	Isc cr 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 mm ² (35mm ² 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 mm ²		
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		
Compliance	EN 61643-11 / IEC 61643-11 / UL1449 ed.5		
Part number			
	821130321	821130221	821130121

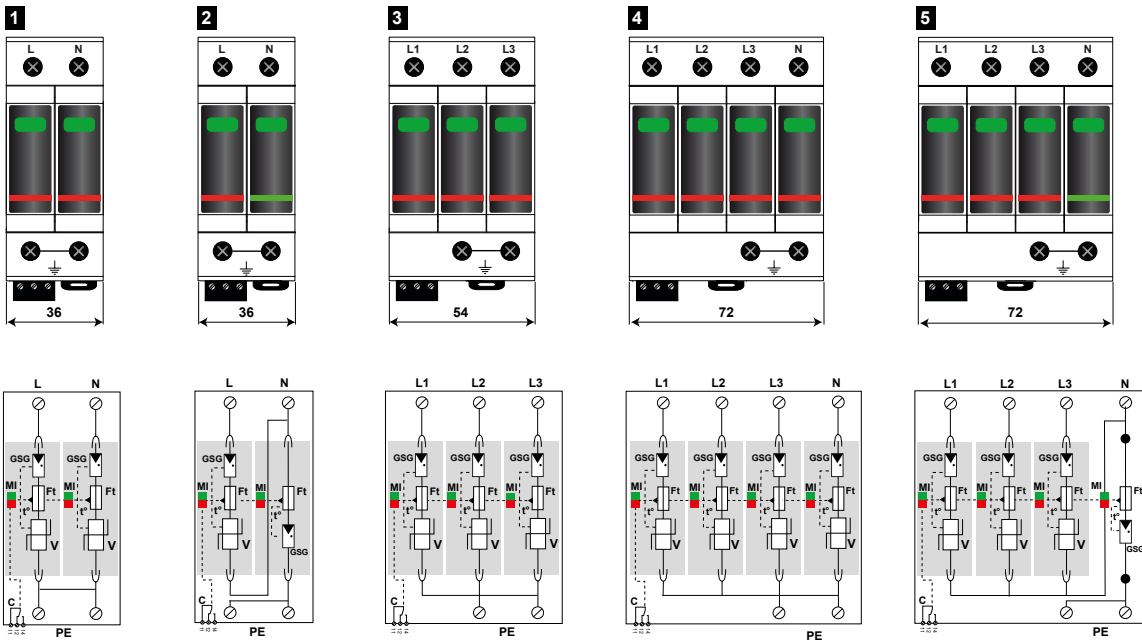
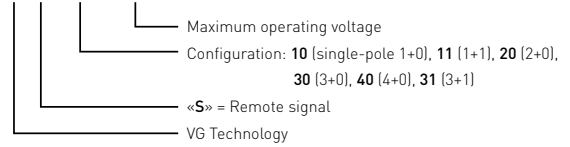
TYPE 2 + 3 AC MULTIPOLAR SURGE PROTECTOR

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



DAC50VGS-31

DAC50VGS-xx-xxx



V: High energy varistor
 GSG: Specific Gas Tube
 MI: Disconnection indicator
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 C: Contact for remote signal

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	