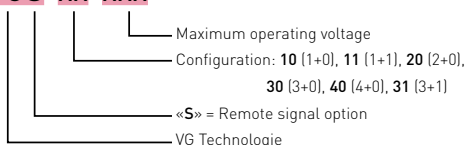


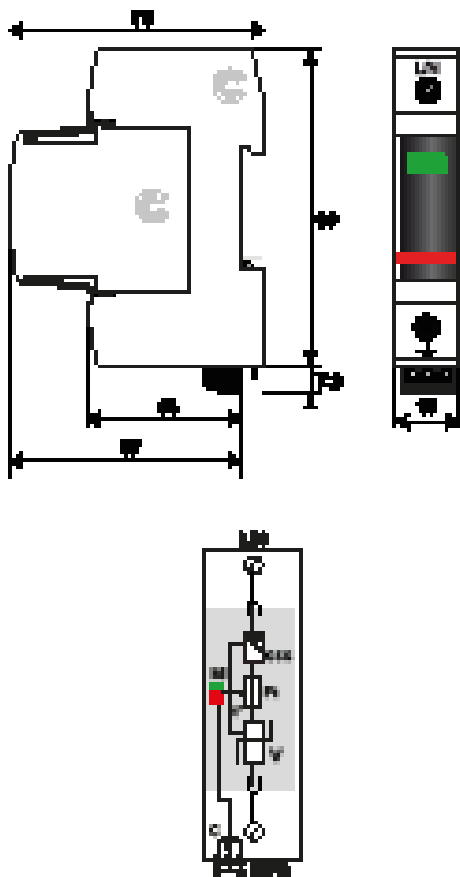
DAC50VG SERIES



- VG Technology
- In : 20 kA / I_{max} : 50 kA
- No leakage current
- No follow current
- Optimized to TOV
- Remote signaling option
- IEC 61643-11, EN 61643-11 certified
- UL1449 ed.4 compliance

DAC50VGS-xx-xxx


Characteristics



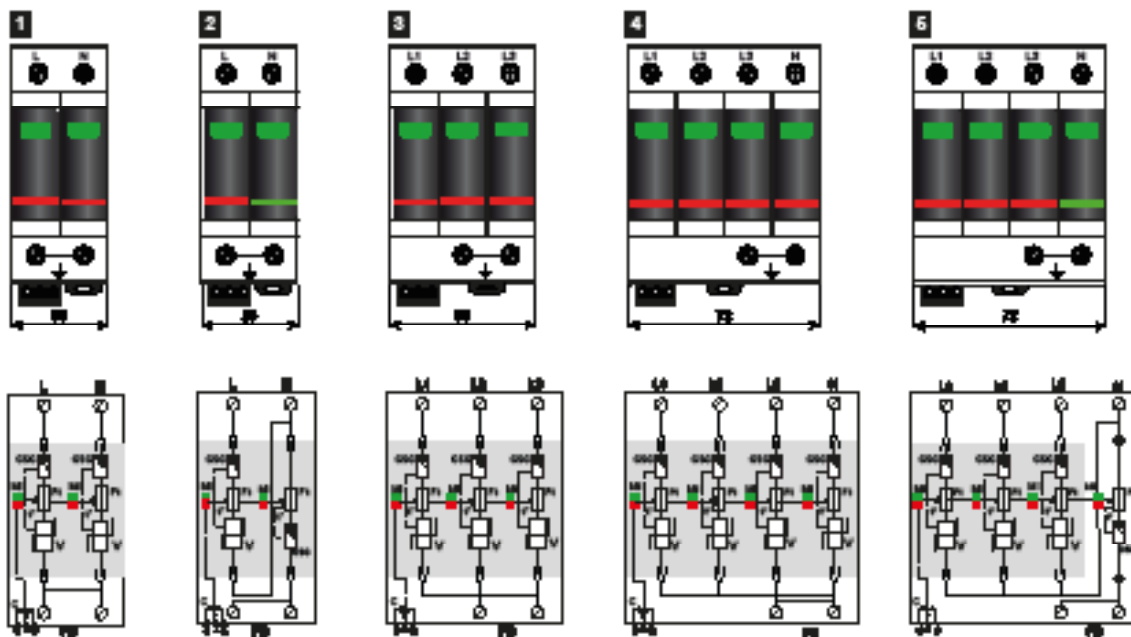
V: High energy varistor
 GSG: Specific Gas Tube
 MI: Disconnection indicator
 Ft: Thermal fuse
 t°: Thermal disconnection system
 C: Contact for remote signal

CITEL Model		DAC50VG-10-320	DAC50VG-10-275	DAC50VG-10-150
Description		Type 2 AC surge protector - one-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 disconnection	440 Vac disconnection	230 Vac disconnection
Residual current <i>Leakage current at Uc</i>	I _{pe}	None	None	None
Follow current	I _f	None	None	None
Nominal discharge current <i>5 x 8/20 μs impulses</i>	I _n	20 kA	20 kA	20 kA
Maximum discharge current <i>max. withstand 8/20μs by pole</i>	I _{max}	50 kA	50 kA	50 kA
Withstand on combination waveform - <i>Class III test</i>	Uoc	6 kV	6 kV	6 kV
Protection level <i>@ I_n (8/20μs) and 6 kV(1.2/50μs)</i>	U _p	1.5 kV	1.5 kV	1.5 kV
Residual voltage <i>@ 5 kA (8/20μs)</i>	U _{p-5kA}	0.9 kV	0.7 kV	0.4 kV
Admissible short-circuit current	I _{scrr}	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 (EN43880)		
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		
Remote signaling of disconnection output on change over contact		option DAC50VGS-10-320	option DAC50VGS-10-275	option DAC50VGS-10-150
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/2 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-V0		
Spare unit		MDAC50VG-320	MDAC50VG-275	MDAC50VG-150
Standards				
Certification		EN 61643-11 / IEC 61643-11		
Compliance		UL1449 ed.4		
Part number				
		821130311	821130211	821130111





DAC50VG-11, DAC50VG-20, DAC50VG-30, DAC50VG-31, DAC50VG-40



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

Model	P/N	Network	AC system	Protection mode	Up L/PE	Up L/N	Up N/PE	Dimension EN43880	Diagram
DAC50VG-31-320	821130334	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
DAC50VG-31-275	821130234	230/400 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	
DAC50VG-31-150	821130134	120/208 V 3-Phase+N	TT-TNS System (3+1)	L/N and N/PE	-	1.5 kV	1.5 kV	4 TE	
DAC50VG-40-320	821130314	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	4
DAC50VG-40-275	821130214	230/400 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DAC50VG-40-150	821130114	120/208 V 3-Phase+N	TNS System (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DAC50VG-30-320	821130313	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	3
DAC50VG-30-275	821130213	230/400 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	
DAC50VG-30-150	821130113	120/208 V 3-Phase	TNC System (3+0)	L/PE	1.5 kV	-	-	3 TE	
DAC50VG-11-320	821130332	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	2
DAC50VG-11-275	821130232	230 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DAC50VG-11-150	821130132	120 V Single Phase	TT-TN System (1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DAC50VG-20-320	821130312	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	1
DAC50VG-20-275	821130212	230 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	
DAC50VG-20-150	821130112	120 V Single Phase	TN System (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	