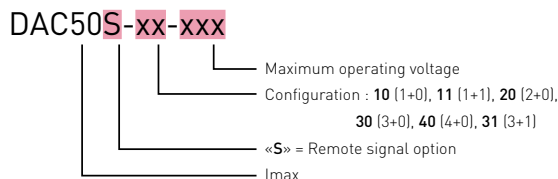


DAC50 SERIES



- In : 20 kA
- I_{max} : 50 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11, EN 61643-11 certified
- UL1449 ed.4 compliance

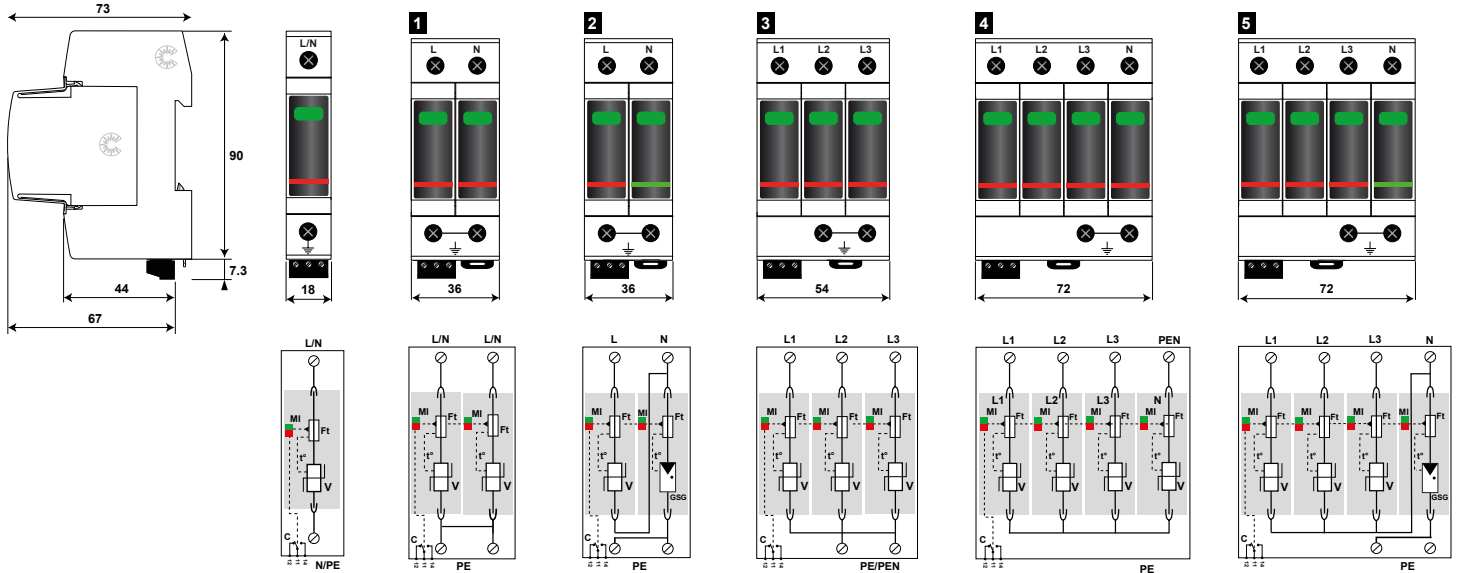


Characteristics

CITEL Model		DAC50-10-760	DAC50-10-660	DAC50-10-530	DAC50-10-440	DAC50-10-320	DAC50-10-275	DAC50-10-150
Description		Type 2 AC surge protector - one-pole - pluggable						
Maximum AC operating voltage	Uc	760 Vac	660 Vac	530 Vac	440 Vac	320 Vac	275 Vac	150 Vac
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	1000 Vac withstand	870 Vac withstand	700 Vac withstand	580 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Characteristics -120mm	UT	1325 Vac disconnection	1150 Vac disconnection	920 Vac disconnection	770 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection
Residual current - Leakage current at Uc	I _{pe}	< 1 mA	< 1 mA	< 1 mA	< 1 mA	< 1 mA	< 1 mA	< 1 mA
Follow current	I _f	None	None	None	None	None	None	None
Nominal discharge current <i>15 x 8/20 μs impulses</i>	I _n	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA	20 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	I _{max}	50 kA	50 kA	50 kA	50 kA	50 kA	50 kA	50 kA
Protection level @ I _n (8/20μs)	U _p	2.9 kV	2.9 kV	2.4 kV	2 kV	1.5 kV	1.25 kV	0.9 kV
Residual voltage @ 5 kA (8/20μs)	U _{p-5kA}	2.6 kV	2.4 kV	2 kV	1.5 kV	1.2 kV	1 kV	0.6 kV
Admissible short-circuit current	I _{scCR}	50 000 A	50 000 A	50 000 A	50 000 A	50 000 A	50 000 A	50 000 A
Associated disconnectors								
Thermal disconnector		internal						
Fuses		50 A min. - 125 A max. - gG Type						
Installation ground fault breaker (if any)		Type "S" or delayed						
Mechanical characteristics								
Dimensions		see diagram - 1TE (EN43880)						
Connection to Network		By screw terminals: 2.5-25 mm ² (35mm ² rigide)						
Failsafe mode		Disconnection from network						
Disconnection indicator		1 mechanical indicator Green/Red						
Remote signaling of disconnection output on changeover contact		option DAC50 S -10-760	option DAC50 S -10-660	option DAC50 S -10-530	option DAC50 S -10-440	option DAC50 S -10-320	option DAC50 S -10-275	option DAC50 S -10-150
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30V/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		MDAC50-760	MDAC50-660	MDAC50-530	MDAC50-440	MDAC50-320	MDAC50-275	MDAC50-150
Standards								
Certification		EN 61643-11 / IEC 61643-11						
Compliance		UL1449 ed.4						
Part number								
		821110711	821110611	821110511	821110411	821110311	821110211	821110111



DAC50-11, DAC50-20, DAC50-30, DAC50-31, DAC50-40



V: High-energy varistor
 GSG : Specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection system
 Mi : Status indicator

Model	Part number	Network	AC system	Protection Mode	Up L/PE	Up L/N	Up N/PE	Dimensions EN43880	Diagram
DAC50-31-320	821110334	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
DAC50-31-275	821110234	230/400 V 3-phase+N	TT-TNS system (3+1)	L/N and N/PE	-	1.25 kV	1.5 kV	4 TE	
DAC50-31-150	821110134	120/208 V 3-phase+N	TT-TNS system (3+1)	L/N and N/PE	-	0.9 kV	1.5 kV	4 TE	
DAC50-40-530	821110514	480/830 V 3-phase+N	TNS system (4+0)	L/PE and N/PE	2.4 kV	-	2.4 kV	4 TE	4
DAC50-40-440	821110414	230/400 V 3-phase+N	IT system (4+0)	L/PE and N/PE	2 kV	-	2 kV	4 TE	
DAC50-40-320	821110314	230/400 V 3-phase+N	TNS system (4+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	4 TE	
DAC50-40-275	821110214	230/400 V 3-phase+N	TNS system (4+0)	L/PE and N/PE	1.25 kV	-	1.25 kV	4 TE	
DAC50-40-150	821110114	120/208 V 3-phase+N	TNS system (4+0)	L/PE and N/PE	0.9 kV	-	0.9 kV	4 TE	3
DAC50-30-760	821110713	690 V 3-phase	TNC system (3+0)	L/PE	2.9 kV	-	-	3 TE	
DAC50-30-660	821110613	600 V 3-phase	TNC system (3+0)	L/PE	2.9 kV	-	-	3 TE	
DAC50-30-530	821110513	480 V 3-phase	TNC system (3+0)	L/PE	2.4 kV	-	-	3 TE	
DAC50-30-440	821110413	230/400 V 3-phase	IT system (3+0)	L/PE	2 kV	-	-	3 TE	
DAC50-30-320	821110313	230/400 V 3-phase	TNC system (3+0)	L/PE	1.5 kV	-	-	3 TE	
DAC50-30-275	821110213	230/400 V 3-phase	TNC system (3+0)	L/PE	1.25 kV	-	-	3 TE	
DAC50-30-150	821110113	120/208 V 3-phase	TNC system (3+0)	L/PE	0.9 kV	-	-	3 TE	2
DAC50-11-320	821110332	230 V single phase	TT-TN system(1+1)	L/N and N/PE	-	1.5 kV	1.5 kV	2 TE	
DAC50-11-275	821110232	230 V single phase	TT-TN system(1+1)	L/N and N/PE	-	1.25 kV	1.5 kV	2 TE	
DAC50-11-150	821110132	120 V single phase	TT-TN system(1+1)	L/N and N/PE	-	0.9 kV	1.5 kV	2 TE	
DAC50-20-530	821110512	480/830 V 3-phase	TNS system (2+0)	L/PE and N/PE	2.4 kV	-	2.4 kV	2 TE	1
DAC50-20-440	821110412	230 V single phase	IT system (2+0)	L/PE and N/PE	2 kV	-	2 kV	2 TE	
DAC50-20-320	821110312	230 V single phase	TN system (2+0)	L/PE and N/PE	1.5 kV	-	1.5 kV	2 TE	
DAC50-20-275	821110212	230 V single phase	TN system (2+0)	L/PE and N/PE	1.25 kV	-	1.25 kV	2 TE	
DAC50-20-150	821110112	120 V single phase	TN system (2+0)	L/PE and N/PE	0.9 kV	-	0.9 kV	2 TE	