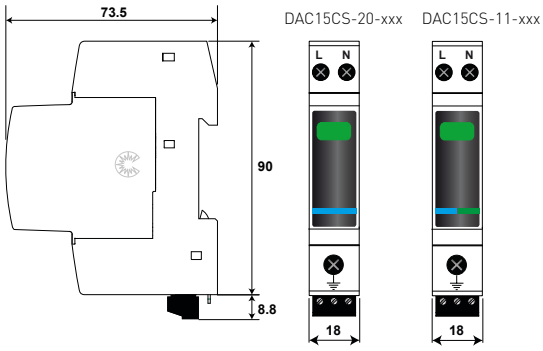
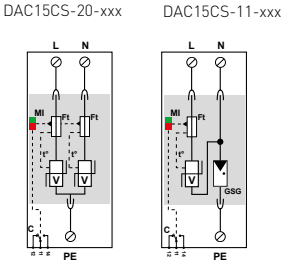
CITEL

Imax 15 kA

COMPACT 1-PHASE TYPE 2 (OR 3) SURGE PROTECTOR

DAC15C SERIES





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

- **Compact single-phase surge protector**
- **Common/Differential mode**
- **Remote signaling contact (option)**
- **IEC 61643-11, EN 61643-11 and UL1449 ed.4 compliance**

DAC15CS-xx-xxx

- Maximum operating voltage
- Configuration: **20** (2+0), **11** (1+1)
- «**S**» = Remote signal option
- Imax: 15 kA

Characteristics

CITEL Model		DAC15C-20-440	DAC15C-20-320	DAC15C-11-320	DAC15C-20-275	DAC15C-11-275	DAC15C-20-150	DAC15C-11-150
Description		Compact 1-phaseType 2 surge protector - Pluggable						
Network		230/400 V single-phase	230/400 V single-phase	230/400 V single-phase	230/400 V single-phase	230/400 V single-phase	120/208 V single-phase	120/208 V single-phase
Connection mode		L/PE and N/PE	L/PE and N/PE	L/N and N/PE	L/PE and N/PE	L/N and N/PE	L/PE and N/PE	L/N and N/PE
Max. AC operating voltage	Uc	440 Vac	320 Vac	320 Vac	275 Vac	275 Vac	150 Vac	150 Vac
Temporary Over Voltage (TOV) Charasteristic 5 sec.	UT	580 Vac withstand	335 Vac withstand	335 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand	180 Vac withstand
Temporary Over Voltage (TOV) Charasteristic 120 mn	UT	770 Vac disconnection	440 Vac disconnection	440 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection	230 Vac disconnection
Temporary Over Voltage N/PE (TOV HT)	UT	-	-	1200 V/300A/200 ms withstand	-	1200 V/300A/200 ms withstand	-	1200 V/300A/200 ms withstand
Residual current - Leakage current at Uc	Ipe	< 1 mA	< 1 mA	None	< 1 mA	None	< 1 mA	None
Follow current	If	None	None	None	None	None	None	None
Nominal discharge current *- 15 x 8/20 µs impulses*	In	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Max. discharge current *-max. withstand @ 8/20 µs by pole*	Imax	15 kA	15 kA	15 kA	15 kA	15 kA	15 kA	15 kA
Total discharge current *@ 8/20µs*	Itotal	30 kA	30 kA	30 kA	30 kA	30 kA	30 kA	30 kA
Withstand on combinaison waveform *- Class III test*	Uoc	10 kV	10 kV	10 kV	10 kV	10 kV	10 kV	10 kV
Protection level *@ In (8/20µs)*	Up L/N Up N/PE Up L/PE	- 1.5 kV 1.5 kV	- 1.1 kV 1.1 kV	1.1 kV 1.5 kV -	- 0.9 kV 0.9 kV	1 kV 1.5 kV -	- 0.6 kV 0.6 kV	0.6 kV 1.5kV -
Admissible short-circuit current	Isccr	10000 A	10000 A	10000 A	10000 A	10000 A	10000 A	10000 A
Associated disconnectors								
Thermal disconnector		internal						
Fuses		20 A min - 125 A max. - Type gG						
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: L/N = 1.5-10 mm² (16mm²) or PE = 2.5-25 mm² (35 mm² rigid)						
Failsafe mode		Disconnection from network						
Disconnection indicator		1 mechanical indicators, Green/Red						
Remote signaling of disconnection output on changeover contact		Option DAC15C**S**-20-400	Option DAC15C**S**-20-320	Option DAC15C**S**-11-320	Option DAC15C**S**-20-275	Option DAC15C**S**-11-275	Option DAC15C**S**-20-150	Option DAC15C**S**-11-150
Max. voltage/current for remote signaling		250 V/0.5 A (AC) / 30 V/2 A (DC)						
Wiring for remote signaling		Max. 1.5 mm²						
Mounting		Symmetrical rail 35 mm (EN60715)						
Operating temperature		-40/+85°C						
Protection rating		IP20						
Housing material		Thermoplastic UL94-V0						
Spare unit		MDAC15C-20-440	MDAC15C-20-320	MDAC15C-11-320	MDAC15C-20-275	MDAC15C-11-275	MDAC15C-20-150	MDAC15C-11-150
Standards								
Compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4						
Part number								
		821610411	821610311	821620311	821610211	821620211	821610111	821620111

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