



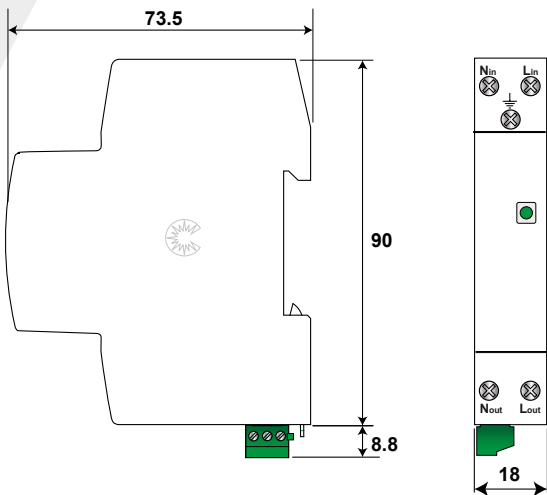
DACN10-L SERIES



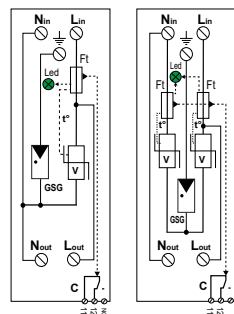
- Cost effective single-phase surge protector
- Type 2+3 monobloc compact
- In/Imax: 5 kA/10 kA
- Max. load current: 16A
- Disconnection + AC line cut
- 2-port configuration (series mounting)
- Remote signaling (option)
- EN 61643-11, IEC 61643-11 compliance

Characteristics

CITEL Model		DACN10-L11-150	DACN10-L11-275	DACN10-L21YG-275
Description		Type 2+3, 2-port AC single phase surge protector		
Network		120 Vac	230 Vac	230 Vac
Protection mode		L/N and N/PE	L/N and N/PE	L/N and N/PE
AC system		TT-TN	TT-TN	TN
Max. AC operating voltage	Uc	150 Vac	275 Vac	275 Vac
Temporary Over Voltage (TOV) characteristics - 5 sec.	UT	180 Vac withstand	335 Vac withstand	335 Vac withstand
Temporary Over Voltage (TOV) characteristics - 120ms	UT	230 Vac	440 Vac	440 Vac
Temporary Over Voltage N/PE (TOV HT)	UT	disconnection	disconnection	disconnection
Residual current	Ipe	1200 V/300A/200 ms withstand	1200 V/300A/200 ms withstand	-
Leakage current at Uc		none	none	< 1 mA
Max. Load current	IL	16 A	16 A	16 A
Follow current	If	none	none	none
Nominal discharge current	In	5 kA	5 kA	5 kA
15 x 8/20 μs impulses				
Max. discharge current	Imax	10 kA	10 kA	10 kA
max. withstand @ 8/20 μs by pole				
Withstand on Combination waveform - Class III test	Uoc	10 kV	10 kV	10 kV
Protection level @In (8/20μs)	Up L/N	0,7 kV	1,1 kV	1,3 kV
	Up N/PE	1,5 kV	1,5 kV	1,6 kV
	Up L/PE	-	-	1,6 kV
Admissible short-circuit current	Iscrc	10 000 A	10 000 A	10 000 A
Associated disconnectors				
Thermal disconnector		internal		
Fuses		Fuses type gG - 25 A		
Installation ground fault breaker (if any)		Type «S» or delayed		
Mechanical characteristics				
Dimensions		see diagram, 1TE (DIN43880)		
Connection to Network		by screw terminals: 1.5-10 mm ²		
Failsafe behavior		Disconnection SPD + AC line cut off		
Disconnection indicator		Green LED off		
Remote signaling of disconnection output on NC contact		option	option	option
		DACN10S-L11-150	DACN10S-L11-275	DACN10S-L21YG-275
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		
Standards				
Compliance		IEC 61643-11 / EN 61643-11 / UL1449 ed.4		
Part number				
		70112011	70112021	70115021



DACN10S-L11-xxx DACN10S-L21YG-275



V : Varistor
 GSG : Specific Gas tube
 Ft : Thermal fuse
 t° : Thermal disconnection mechanism
 LED : Disconnector indicator