

DACN10 SERIES



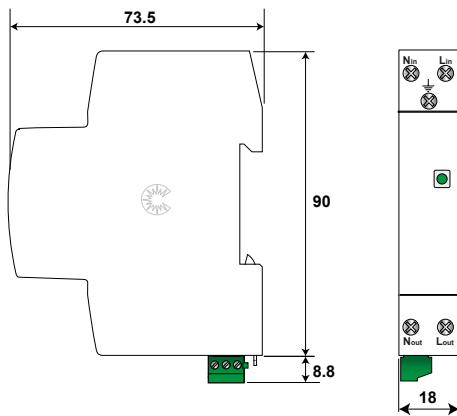
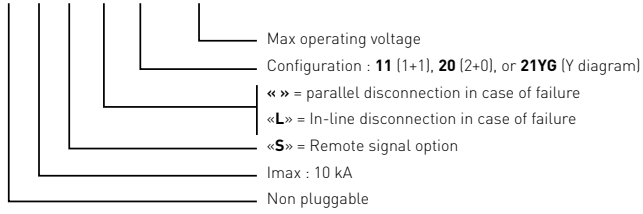
- Cost effective Single phase Surge Protector
- Type 2 + 3 monobloc
- 2-port configuration (series mounting)
- In: 5 kA
- Imax: 10 kA
- Load current 25A
- Remote signaling (option)
- IEC 61643-11 compliance

Characteristics

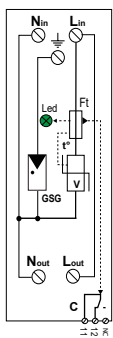
CITEL Model		DACN10-11-150 DACN10-L11-150	DACN10-11-275 DACN10-L11-275	DACN10-21YG-275 DACN10-L21YG-275	DACN10-20-150	DACN10-20-275	DACN10-20-440
Description		Type 2+3, 2-port AC single phase surge protector					
Network		120 Vac	230 Vac	230 Vac	120 Vac	230 Vac	230 Vac
Protection mode		L/N and N/PE	L/N and N/PE	L/N and N/PE	L/PE and N/PE	L/PE and N/PE	L/PE and N/PE
AC system		TT-TN	TT-TN	TN	TT-TN	TT-TN	TN-IT
Max. AC operating voltage	Uc	150 Vac	275 Vac	275 Vac	150 Vac	275 Vac	440 Vac
Temporary Over Voltage (TOV) characteristics - 5 sec.	UT	180 Vac withstand	335 Vac withstand	335 Vac withstand	180 Vac withstand	335 Vac withstand	580 Vac withstand
Temporary Over Voltage (TOV) characteristics - 120mn	UT	230 Vac disconnection	440 Vac disconnection	440 Vac disconnection	230 Vac disconnection	230 Vac disconnection	770 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	1200 V/300A/200 ms withstand	-
Residual current <i>Leakage current at Uc</i>	Ipe	none	none	< 1 mA	none	none	none
Max. Load current	IL	25 A 16 A	25 A 16 A	25 A 16 A	25 A	25 A	25 A
Follow current	If	none	none	none	none	none	none
Nominal discharge current <i>15 x 8/20 μs impulses</i>	In	5 kA	5 kA	5 kA	5 kA	5 kA	5 kA
Max. discharge current <i>max. withstand @ 8/20 μs by pole</i>	Imax	10 kA	10 kA	10 kA	10 kA	10 kA	10 kA
Withstand on Combination waveform - Class III test	Uoc	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	0,7 kV 1,5 kV -	1,1 kV 1,5 kV -	1,3 kV 1,6 kV 1,6 kV	- 0,7 kV 0,7 kV	- 1,1 kV 1,1 kV	- 1,6 kV 1,6 kV
Admissible short-circuit current	Isc cr	10 000 A	10 000 A	10 000 A	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 (DACN10) - Disconnection SPD + AC line cut off (DACN10L)					
Disconnection indicator		Green LED off					
Remote signaling of disconnection output on NC contact		option DACN10S-11-150 DACN10S-L11-150	option DACN10S-11-275 DACN10S-L11-275	option DACN10S-21YG-275 DACN10S-L21YG-275	option DACN10S-20-150	option DACN10S-20-275	option DACN10S-20-440
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							
		70111011 70112011	70111021 70112021	70114021 70115021	70113011	70113021	70113031

1-PHASE TYPE 2 + 3 AC SURGE PROTECTOR

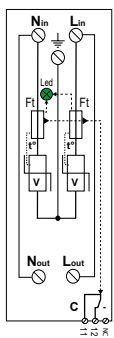
DACN10S-L xx-xxx



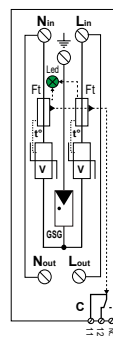
DACN10S-11-xxx



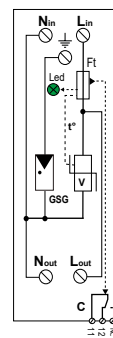
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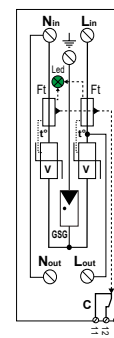
DACN10S-21YG-275



DACN10S-L11-xxx



DACN10S-L21YG-275



- V: MOV
- GSG: Specific GDT
- F: Thermal fuse
- t[°]: Thermal disconnection mechanism
- LED: Disconnector indicator
- C: Remote signaling contact