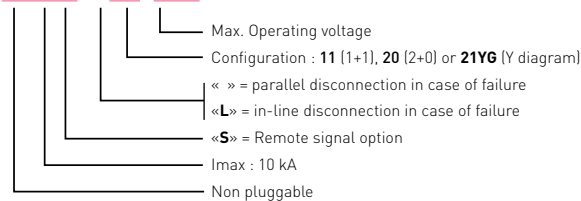




DACN10 SERIES

- Type 2+3 Single Phase SPD
- 2-port configuration (series mounting)
- Compact and Cost effective
- In/Imax : 5/10 kA
- Load current 25 A
- Multiple versions
- Remote signaling option
- In-line disconnection option
- IEC61643-11 compliance

DACN10S-Lxx-xxx



Characteristics

CITEL Model		DACN10-11-150	DACN10-11-275	DACN10-21YG-275	DACN10-20-440	DACN10-L11-150	DACN10-L11-275	DACN10-L21YG-275
Description		Type 2+3 2-port AC Single Phase surge protector						
Single Phase AC Network		120 Vac	230 Vac	230 Vac	230 Vac	120 Vac	230 Vac	230 Vac
AC system		TT-TN	TT-TN	TN	TN-IT	TT-TN	TT-TN	TN
Max. AC operating voltage	Uc	150 Vac	275 Vac	275 Vac	440 Vac	150 Vac	275 Vac	275 Vac
Max. load current	IL	25 A	25 A	25 A	25 A	16 A	16 A	16 A
Temporary Over Voltage (TOV) Characteristics - 5 sec.	UT	180 Vac withstand	335 Vac withstand	335 Vac withstand	580 Vac withstand	180 Vac withstand	335 Vac withstand	335 Vac withstand
Temporary Over Voltage (TOV) Characteristics -120mn	UT	230 Vac disconnection	440 Vac disconnection	440 Vac disconnection	770 Vac disconnection	230 Vac disconnection	440 Vac disconnection	440 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	none	< 1 mA	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	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	10 kA
Withstand on combination 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	0.7 kV	1.1 kV	1.3 kV	-	0.7 kV	1.1 kV	1.3 kV
	Up N/PE	1.5 kV	1.5 kV	1.6 kV	1.6 kV	1.5 kV	1.5 kV	1.6 kV
	Up L/PE	-	-	1.6 kV	1.6 kV	-	-	1.6 kV
Admissible short-circuit current	Iscrr	10 000 A	10 000 A	10 000 A	10 000 A	10 000 A	10 000 A	10 000 A

Associated disconnectors

Thermal disconnector	internal
Associated Fuses	25 A gG Type
Existing upstream ground fault breaker (if any)	"S" type or delayed

Mechanical characteristics

Dimensions	see diagram, 1 TE (DIN43880)
Connection to Network	By screw terminals: 1.5-10 mm ²
Disconnection indicator	Green LED off
Failsafe mode	Disconnection Disconnection Disconnection Disconnection Disconnection + AC line cut off Disconnection + AC line cut off Disconnection + AC line cut off
Remote signaling of disconnection output on NC contact	option option option option option option option option
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

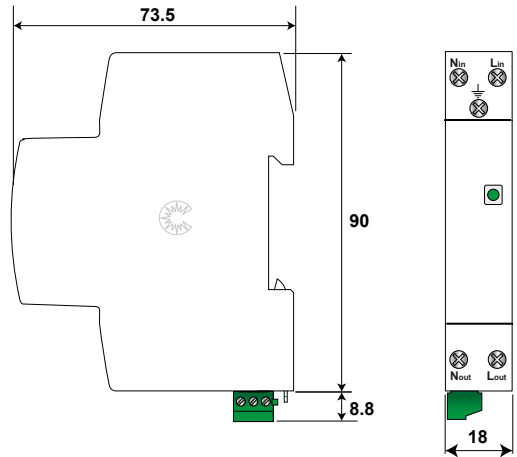
Standards

Compliance	IEC 61643-11 / EN 61643-11
Compliance	UL1449 ed.4

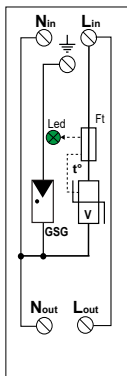
Part number

Standard version	70111011	70111021	70114021	70113031	70112011	70112012	70115021
Remote signalisation version	70111012	70111022	70114022	70113032	70112012	70112022	-

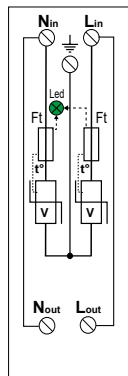
DACN10 SERIES



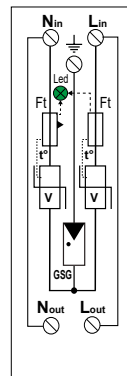
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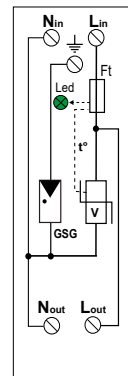
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DACN10-21YG-275

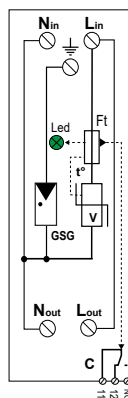


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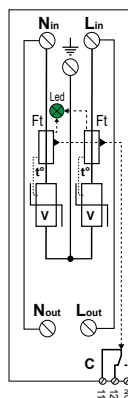


V: High-energy varistor
 GSG : specific gas tube
 Ft: Thermal fuse
 C: Remote signaling contact
 t°: Thermal disconnection system
 Led : Disconnection indicator

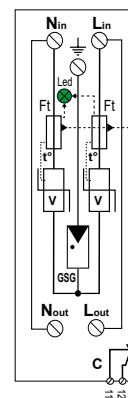
DACN10S-11-xxx



DACN10S-20-xxx



DACN10S-21YG-275



DACN10S-L11-xxx

