



**CDN 131 / 133**

**SCHAFFNER TEST EQUIPMENT**

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**8 Technical specifications**

**8.1 General electrical specifications**

Instrument supply 230 Vac / 115 Vac

Decoupling  
attenuation:

Remanent pulse, mains-side 15 % max.  
Crosstalk 15 % max.

Standard-conform  
pulse coupling 1.2/50  $\mu$ s up to 6,6 kV  
8/20  $\mu$ s up to 3,3 kA

Coupling capacitances 18  $\mu$ F or 9  $\mu$ F  
(depending on  
coupling mode)

Mains decoupling 1.5 mH <sup>+35%</sup>  
-0% / 9 $\mu$ F

Connections

Pulse input from generator  
Cable connector for EUT supply  
Power inlet  
Safety connectors for the EUT  
Interlock connections

**8.2 Electrical specifications of the CDN 131**

EUT supply single phase

EUT Vac 24 ... 440 V rms, 50/60 Hz (Phase - Phase)  
24 ... 240 V rms, 50/60 Hz (Phase - protective earth)

EUT Vdc 50 V

EUT current 1 x 25 A rms continuous  
1 x 30 A rms for 30 min

Coupling modes	Line to ground	L - PE N - PE
	Lines to ground	L+N - PE
	Line to line	L - N N - L

**8.3 Electrical specifications of the CDN 133**

EUT supply	3-phase	
EUT Vac	24 ... 440 V rms, 50/60 Hz (Phase - Phase)	
	24 ... 240 V rms, 50/60 Hz (Phase - protective earth)	
EUT Vdc	50 V per phase	
EUT current	3 x 25 A rms continuous	
	3 x 30 A rms for 30 min	
Coupling modes	Line to ground	L1 — PE L2 — PE L3 — PE N — PE
	Lines to ground	L1+L2 — PE L1+L3 — PE L1+N — PE L2+L3 — PE L2+N — PE L3+ N — PE L1+L2+L3 — PE L1+L2+N — PE L1+L3+N — PE L2+L3+N — PE L1+L2+L3+N — PE

Line to line	L1 — N
	L2 — N
	L3 — N
	L1 — L2
	L1 — L3
	L2 — L3
	Lines to line (only possible with NSG 2025)
	L1+L3 + N — GND
	L1+N +L2 — GND
	L3+N +L2 — GND
	L1+L3 +L2 — GND
	L2+N +L1 — GND
	L2+L3 +L1 — GND
	L3+N +L1 — GND

**8.4 Mechanical specifications**

Dimensions	Width:	449 mm	(17.7")
	Height:	310 mm	(12.2")
	Depth:	500 mm	(19.7")

Weight      36 kg    (79.5 lbs) approx.