Example of a 3-phase (or single-phase) system set-up I \( > 16 \) A

5 Technical Data of System / Main Frame NSG 600

The main frame NSG 600 for interference systems contains the central supply, operating controls for system control, test object connection with pulse decoupling, provisions for RS 232C connection and system extension. To operate the system at least one plug-in is required.

Construction: Bench-top case 19", 6 HE, 84 TE

Width 448 mm (rack mounting possible)
Height 266 mm
Depth 455 mm (without handles)

Weight approx. 21 kg
Possible plug-in units

1 to 4 pcs 6 HE/21 TE/T = 280 mm
Double width plug-ins (42 TE) can be used after removing middle guide rails.

System supply

110/220 V ± 20%, 50 to 60 Hz
– switchable on main frame (FN 390)
– connection via 6 A equipment plug IEC 320/IV

Test object supply

12 to 264 VAC at 15 Hz to 65 Hz 16 A max
12 to 264 VAC at 65 Hz to 500 Hz 6 A max
5 to 50 VDC 16 A max

– Connection via 16 A equipment plug
– Output MC safety banana sockets and mains socket depending on country (exchangeable)
– Test object adapter of system NSG 200 can be used

Pulse decoupling / mains superposition

– integrated for pulses with rise times of ≥ 5 ns and pulse widths of ≤ 50 μs. For further requirements external set-up or integration in a plug-in possible.

HV pulse output

Pulses without superposition to mains
Fischer 5 kV coaxial socket (same as system NSG 200)

Remote control connection

RS 232C for automatic test run from control computer. The free pins are used for system extension and supply for the opto link/RS 232C. IEEE bus connection can be easily achieved by means of an external interface (coupling).

Withstand voltage system 600 (coupling)

Pulse 1.2/50 μs ≤ 5 kV peak
AC 50/60 Hz ≤ 2 kV rms
DC ≤ 2.5 kV

Temperature range

operation +5 to +40 °C
storage −10 to +50 °C