

Available measuring devices

EMC tests

	Scope	Limitation	Standard	Limiting measuring device	Manufacturer	
Conducted	Emission	Band A 9 kHz to 150 kHz	230 V 16 A 1 supply	61000-4-6	LISN C2-16	Frankonia
		Band B 150 kHz to 30 MHz	230 V 16 A 1 supply	61000-4-7	LISN C2-16	
		Band B 151 kHz to 230 MHz	6 W (10 V at 230 MHz)	61000-4-6	CDN M2-10k CDN S9-10k	
		Band B 152 kHz to 1 GHz	100 W 15 min 150 kHz to 100 MHz 100 W 5 min 100 MHz to 230 MHz 50 W 3 min 230 MHz to 1 GHz Cable diameter max. 20 mm	61000-4-6	EMCL-20	
	Admission	Burst	4 kV 300 mJ	61000-4-4	Transient 2000	
		Surge	4 kV 300 J	61000-4-5		
		Dips	Input voltage max. 100 kHz	61000-4-11		
		ESD	15 kV	61000-4-2		
		Network variation	6 A	3-phase measurement cabinet		
Radiated	Emission	Band C 30 MHz to 300 MHz	55011 55022	ERX-6	Frankonia	
		Band D 300 MHz to 1 GHz				
		Band E 1 GHz to 6 GHz				
	Admission	Band C 30 MHz to 300 MHz	50 W (10 V/m)	61000-4-3	FLL-75	
		Band D 300 GHz to 1 GHz	120 W (10 V/m)		FLH-200B1	
		Band E 1 GHz to 6 GHz	up to 3 GHz 45 W (10 V/m)		FLG-70-CA	