

5.8.3 Interface protection						P
5.8.3.2 Voltage and frequency protections						
Test conditions			Output power: 500W Frequency: 50Hz			
Test: Inverter MI-500 and Relay MR100-S						
Condition	Setting		Trip value [Hz]	Disconnection time [s]	deviation of the setting time[ms]	Limit [ms]
	F[Hz]	Time[ms]				
F<	47	100	47,00	109	9	100-200
	48	30000	47,98	3016	16	30000-30100
	49	60000	49,00	60017	17	60000-60100
	50	100000	50,01	100046	46	100000-100100
F<<	47	100	47,00	104	4	100-200
	48	1500	48,01	1517	17	1500-1600
	49	3000	49,00	3016	16	3000-3100
	50	5000	50,01	5019	19	5000-5100
Condition	Setting		Trip value [Hz]	Disconnection time [s]	deviation of the setting time[ms]	Limit [ms]
	F[Hz]	Time[ms]				
F>	50	100000	50,02	100026	26	100000-100100
	50,5	60000	50,52	60050	50	60000-60100
	51,5	30000	51,51	30027	27	30000-30100
	52	100	52,02	108	8	100-200
F>>	50	5000	50,01	5035	35	5000-5100
	50,5	3000	50,51	3021	21	3000-3100
	51,5	1500	51,51	1528	28	1500-1600
	52	100	52,01	113	13	100-200
Environmental condition (ambient) Temperature (°C) :25,0 Humidity (%rh):47,1 Pressure (hPa) : 1019						