Harmonics according to EN 61000-3-12

Test conditions:

Voltage:	U = 229,3 Vrms	Powerfactor cosPhi = 0,999
Current:	I = 31,829 Arms	THD(V) = 0,107 %
Power:	P = 7293,6 W	THD(I) = 1,800 %
		S = 7298,5 VA

Harmonic	average current 2:30 min (A)	max. current 200 ms (A)	Limit EN61000-3-12 table 2 Rsce = 33 (A)	margin to limit	Pass
1	31.8190	31.8850	-	-	
2	0.0227	0.1937	2.5455	-99.1%	x
3	0.4781	0.5763	6.8729	-93.0%	x
4	0.0301	0.0936	1.2728	-97.6%	x
5	0.2361	0.2621	3.4046	-93.1%	x
6	0.0274	0.0681	0.8485	-96.8%	x
7	0.0561	0.0996	2.2910	-97.5%	x
8	0.0218	0.0560	0.6364	-96.6%	x
9	0.0946	0.1263	1.2091	-92.2%	x
10	0.0253	0.0545	0.5091	-95.0%	x
11	0.0354	0.0527	0.9864	-96.4%	x
12	0.0242	0.0501	0.4243	-94.3%	x
13	0.0615	0.0770	0.6364	-90.3%	x
14	0.0196	0.0398	0.3636	-94.6%	x
15	0.0464	0.0549	-	-	x
16	0.0199	0.0372	0.3182	-93.7%	x
17	0.0597	0.0681	-	-	x
18	0.0187	0.0359	0.2828	-93.4%	x
19	0.0498	0.0574	-	-	x
20	0.0168	0.0263	0.2546	-93.4%	x
21	0.0528	0.0605	-	-	x
22	0.0164	0.0247	0.2314	-92.9%	x
23	0.0535	0.0623	-	-	x
24	0.0156	0.0253	0.2121	-92.7%	x
25	0.0378	0.0467	-	-	x
26	0.0143	0.0212	0.1958	-92.7%	x
27	0.0428	0.0526	-	-	x
28	0.0130	0.0183	0.1818	-92.8%	x
29	0.0294	0.0394	-	-	x
30	0.0127	0.0183	0.1697	-92.5%	x
31	0.0263	0.0346	-	-	x
32	0.0130	0.0176	0.1591	-91.9%	x
33	0.0196	0.0259	-	-	x
34	0.0134	0.0187	0.1497	-91.1%	x
35	0.0138	0.0192	-	-	x
36	0.0125	0.0180	0.1414	-91.2%	x
37	0.0130	0.0178	-	-	x
38	0.0116	0.0164	0.1340	-91.3%	x
39	0.0040	0.0098	-	-	x
40	0.0112	0.0154	0.1273	-91.2%	x
41	0.0033	0.0125	-		x
42	0.0105	0.0142	-		x
43	0.0036	0.0096	-		x
44	0.0100	0.0146	-		x
45	0.0070	0.0123	-		x
46	0.0095	0.0134	-		x
47	0.0075	0.0180	-		x
48	0.0088	0.0159	-		x
49	0.0108	0.0213	-		x
50	0.0081	0.0171	-		x