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EXTRACT FROM ENGINEERING RECOMMENDATION G5/4-1

Table 1: G5/4-1 Harmonic Limits (Voltage Distortion) at 415V

Odd Harmonics (Non Multiple of 3)		Odd Harmonics (Multiple of 3)		Even Harmonics	
Order 'h'	Voltage (%)	Order 'h'	Voltage (%)	Order 'h'	Voltage (%)
5	4.0	3	4.0	2	1.6
7	4.0	9	1.2	4	1.0
11	3.0	15	0.3	6	0.5
13	2.5	21	0.2	8	0.4
17	1.6	>21	0.2	10	0.4
19	1.2			12	0.2
23	1.2			>12	0.2
25	0.7				
>25	0.2 + 0.5(25/h)				

Limit for Total Harmonic Distortion = 5%

Table 2: G5/4-1 Harmonic Limits (Voltage Distortion) at 11kV

Odd Harmonics (Non Multiple of 3)		Odd Harmonics (Multiple of 3)		Even Harmonics	
Order 'h'	Voltage (%)	Order 'h'	Voltage (%)	Order 'h'	Voltage (%)
5	3.0	3	3.0	2	1.5
7	3.0	9	1.2	4	1.0
11	2.0	15	0.3	6	0.5
13	2.0	21	0.2	8	0.4
17	1.6	>21	0.2	10	0.4
19	1.2			12	0.2
23	1.2			>12	0.2
25	0.7				
>25	0.2 + 0.5(25/h)				

Limit for Total Harmonic Distortion = 4%