

Manual Supplement

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This supplement contains information necessary to ensure the accuracy of the above manual. This manual is distributed as an electronic manual on the following CD-ROM:

CD Title:	1760
CD Rev. & Date:	5, 7/10
CD PN:	2583518

Change #1


On page 1-2, add the following to the **Symbols** table:

	Conforms to relevant South Korean EMC Standards.
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On page 5-7, replace the figure with:

Nominal and Limit Values

Vn - fn - IL	D - S - I	EN50160	EN50160 hxx	Rapid Voltage Changes
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Statistics Evaluation

Limit settings for statistical evaluation as per EN50160. Slow voltage variations, frequency, flicker, maximum number of events.

Slow Voltage Variations

Values within tolerance during 95% 99.0% of the measure time.

95% Limit	pos.	↑↓ 110.00 %	neg.	↑↓ 90.00 %
100% Limit	pos.	↑↓ 110.00 %	neg.	↑↓ 85.00 %

Fast Voltage Variations

95% Limit ↑↓ 5.00 %

Mains Frequency

Values within tolerance during 95% 99.5% of the measure time.

95% Limit	pos.	↑↓ 101.00 %	neg.	↑↓ 99.00 %
100% Limit	pos.	↑↓ 104.00 %	neg.	↑↓ 94.00 %

Long-term Flicker (Plt)	↑↓	1.00
Max. number of events	↑↓	100
Unbalance	↑↓	2.00 %

On page 6-23, add the following under the Note:

See below for a Dis/Dip table showing the distribution statistics of voltage dips depending on the length of the dip event according to EN50160:

EN50160 - Event Statistics					
Voltage Swells 3-ph:					
Swell Voltage [%Vnom]	Duration [ms]				
	½cyc <= t <= 500	500 < t <= 5000	5000 < t <= 60000		
u >= 120%	6	3	-		
120% > u >= 110%	4	-	-		
Voltage Dips 3-ph:					
Residual Voltage [%Vnom]	Duration [ms]				
	½cyc <= t <= 200	200 < t <= 500	500 < t <= 1000	1000 < t <= 5000	5000 < t <= 60000
90% > u >= 80%	-	3	-	-	-
80% > u >= 70%	3	-	-	-	-
70% > u >= 40%	-	-	-	-	-
40% > u >= 5%	-	-	-	-	-
5% > u >= 0%	-	-	-	-	1