

TEST DATA OF AME800F

(200VAC INPUT)

Regulated DC power supply
August 21, 2019

Approved by : *Yoshimichi Hirokawa*
Yoshimichi Hirokawa Design Manager

Prepared by : *Takashi Yamamine*
Takashi Yamamine Design Engineer,

INPUT : 170 - 264VAC

COSEL CO.,LTD.

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<p>Model AME800F</p>		<p>Temperature 25°C Testing Circuitry Figure A</p>																																																			
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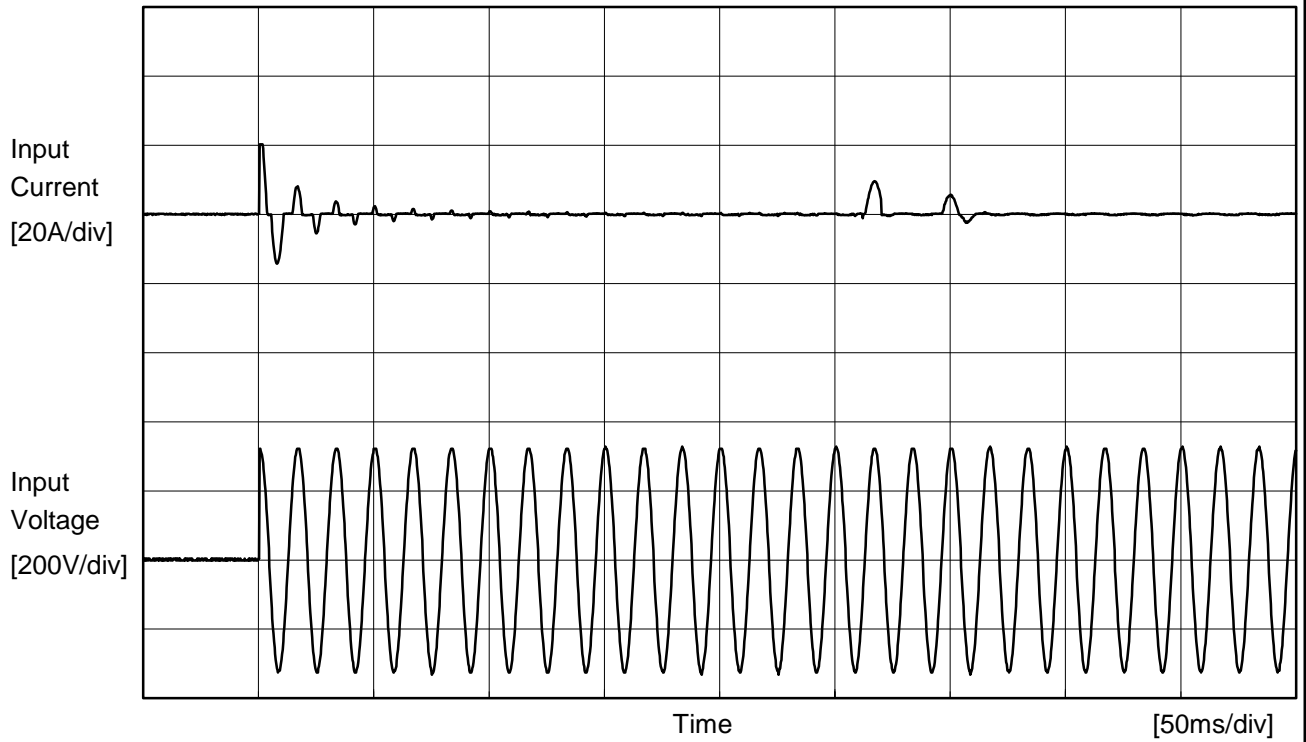
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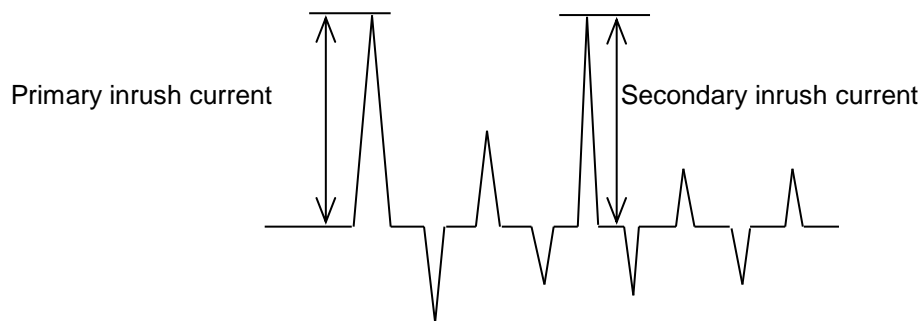
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COSEL		
Model	AME800F	Temperature 25°C Testing Circuitry Figure A
Item	Inrush Current	
Object	_____	



Input Voltage	200 V
Frequency	60 Hz
Load	100 %
Primary inrush current	20.3 A
Secondary inrush current	9.6 A



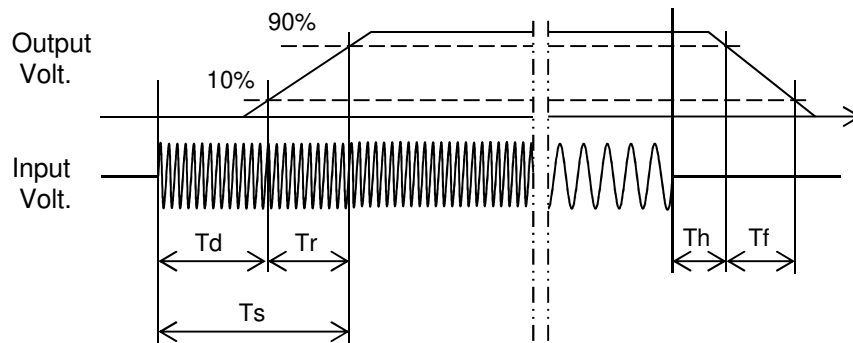


COSEL		Temperature 25°C Testing Circuitry Figure B
Model	AME800F	
Item	Leakage Current	
Object	_____	

Standards	Testing Circuitry	Measuring Method	Input Volt.			Note
			170 [V]	200 [V]	230 [V]	
DEN-AN	Figure B-1	Both phases	0.12	0.15	0.17	Operation
		One of phases	0.22	0.26	0.30	Stand by
IEC62368-1	Figure B-2	Both phases	0.12	0.15	0.17	Operation
		One of phases	0.23	0.26	0.30	Stand by
	Figure B-3	Both phases	0.12	0.15	0.17	Operation
		One of phases	0.22	0.26	0.30	Stand by
IEC60601-1	Figure B-4	Both phases	0.12	0.15	0.17	Operation
		One of phases	0.22	0.26	0.30	Stand by

Note:
 The value of "One of phases" is for reference only.
 The above value is the larger one of each phase of AC input.

COSEL			
Model	AME800F	Temperature	25°C
Item	Rise and Fall Time	Testing Circuitry	Figure A
Object	_____		



Input Voltage 230V
 Load Power 100%

[ms]

Time	T_d	T_r	T_s	T_h	T_f
MODULE					
120W, SINGLE	786	8	794	22	1 - 8
240W, SINGLE	785	5	789	23	0.3 - 4
150W, DUAL	784	5	789	30	0.6



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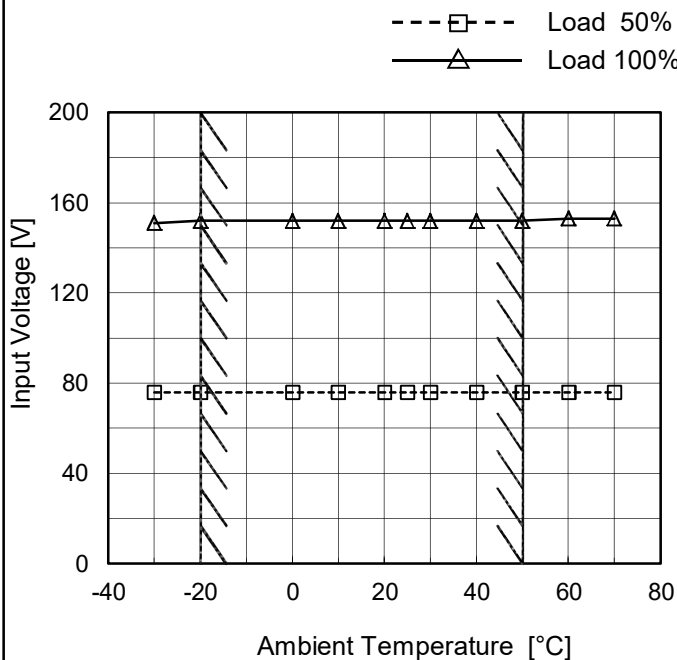
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<p>1. Graph</p> <p> —△— Input Volt. 170V - - - □ - - - Input Volt. 200V · · · ○ · · · Input Volt. 230V </p> <p>Instantaneous Compensation Time [ms]</p> <p>Load Power [W]</p>		<p>2. Value</p> <table border="1"> <thead> <tr> <th rowspan="2">Load Power [W]</th> <th colspan="3">Time [ms]</th> </tr> <tr> <th>Input Volt. 170[V]</th> <th>Input Volt. 200[V]</th> <th>Input Volt. 230[V]</th> </tr> </thead> <tbody> <tr><td>0</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>160</td><td>90</td><td>97</td><td>98</td></tr> <tr><td>320</td><td>47</td><td>48</td><td>47</td></tr> <tr><td>480</td><td>31</td><td>30</td><td>31</td></tr> <tr><td>640</td><td>23</td><td>23</td><td>23</td></tr> <tr><td>800</td><td>22</td><td>22</td><td>22</td></tr> <tr><td>880</td><td>21</td><td>21</td><td>21</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> <tr><td>--</td><td>--</td><td>--</td><td>--</td></tr> </tbody> </table>	Load Power [W]	Time [ms]			Input Volt. 170[V]	Input Volt. 200[V]	Input Volt. 230[V]	0	--	--	--	160	90	97	98	320	47	48	47	480	31	30	31	640	23	23	23	800	22	22	22	880	21	21	21	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
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<p>Note: Hatched line shows the range of the rated load power.</p>																																																					



Model	AME800F
Item	Minimum Input Voltage for Regulated Output Voltage
Object	_____

Testing Circuitry Figure A

1. Graph



Note:

Hatched line shows the range of the rated operating temperature.

2. Value

Ambient Temperature [°C]	Input Voltage [V]	
	Load 50%	Load 100%
-30	76	151
-20	76	152
0	76	152
10	76	152
20	76	152
25	76	152
30	76	152
40	76	152
50	76	152
60	76	153
70	76	153

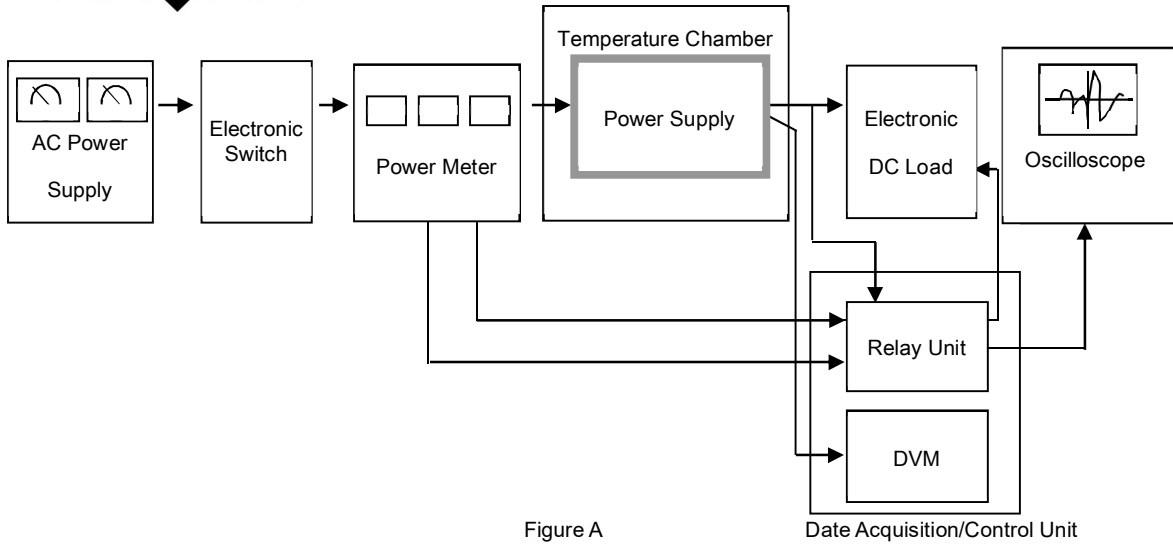


Figure A

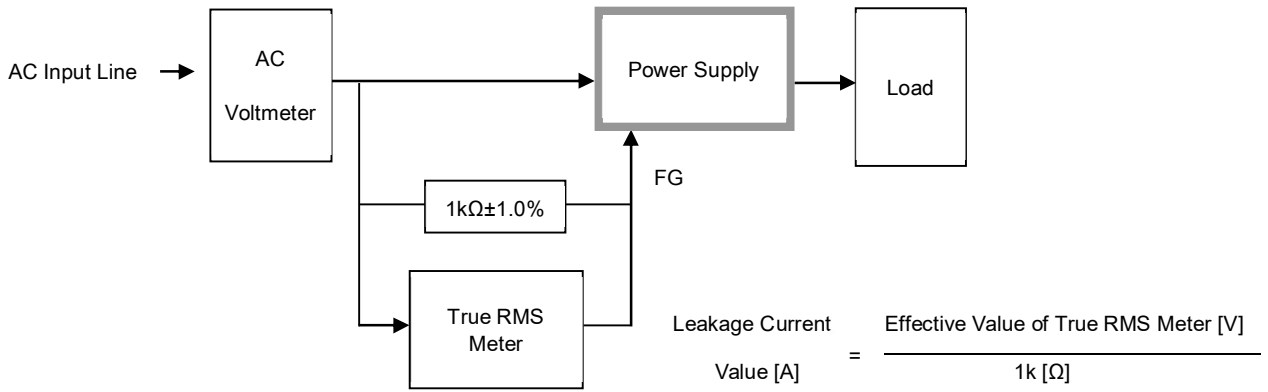


Figure B-1 (DEN-AN)

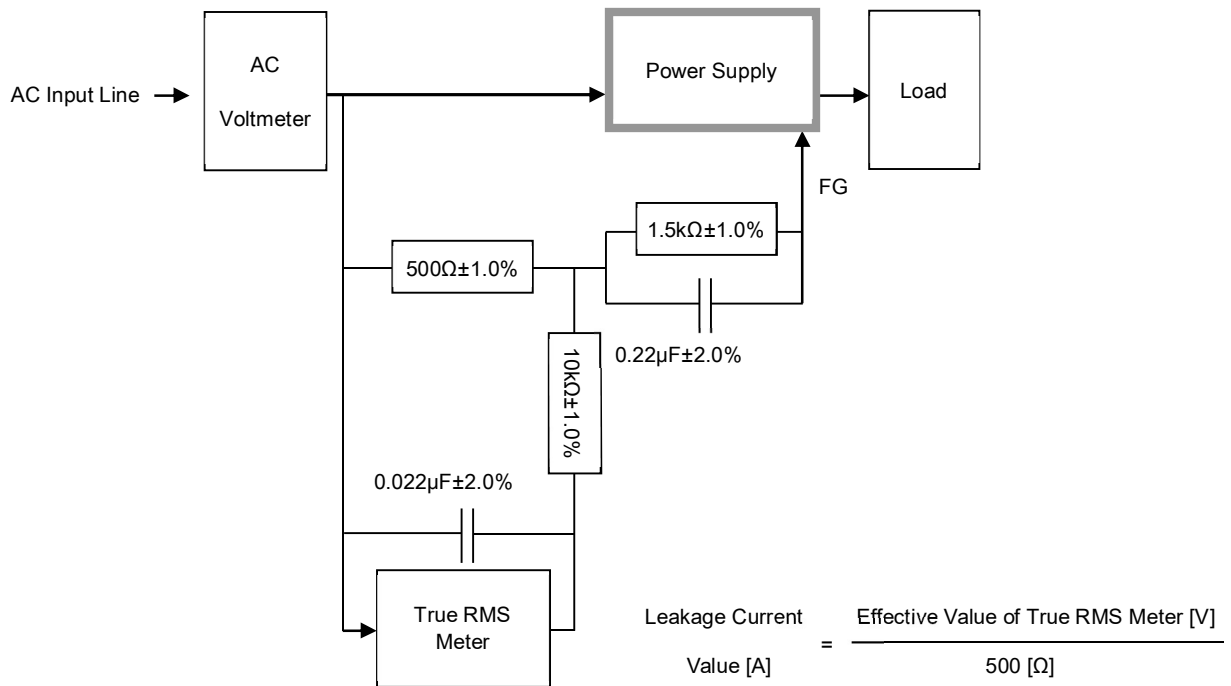


Figure B-2 (IEC62368-1 refer to IEC60990 Fig.4)

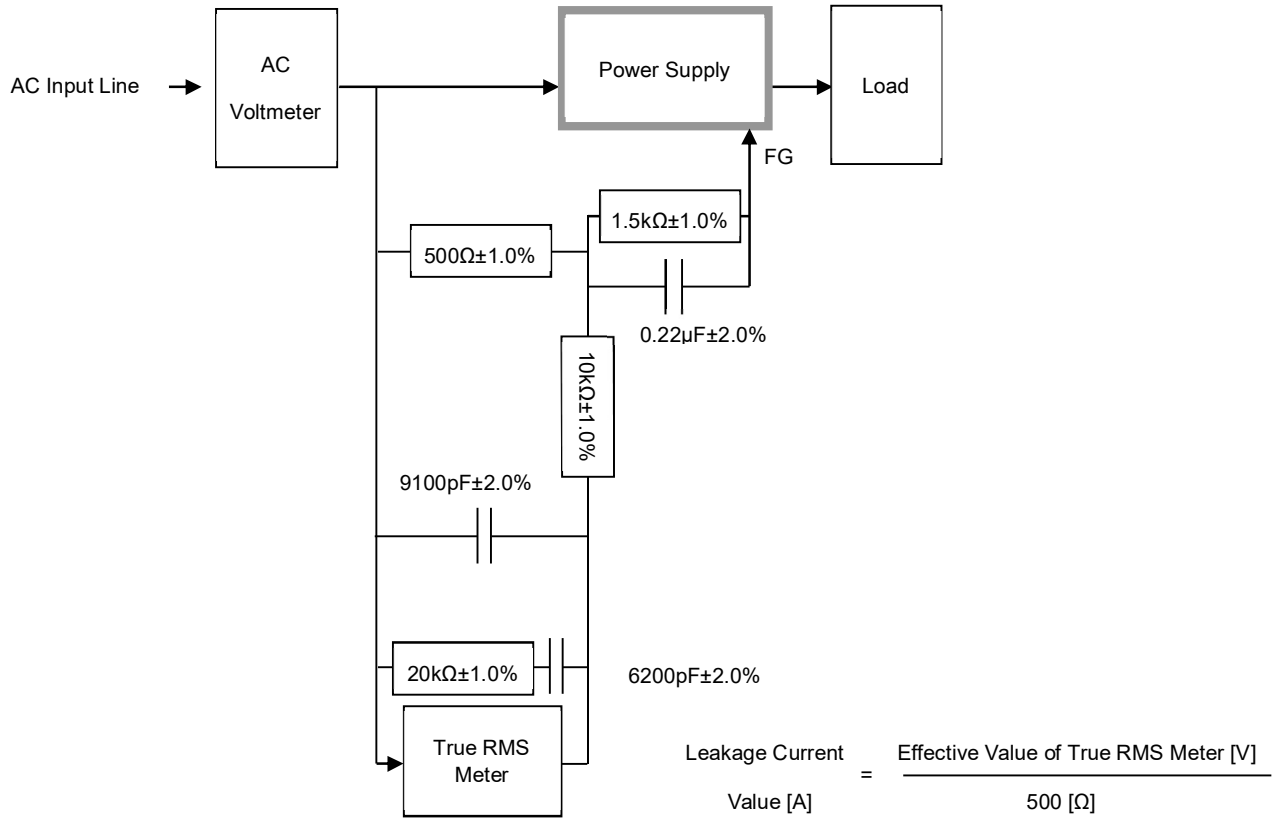


Figure B-3 (IEC62368-1 refer to IEC60990 Fig.5)

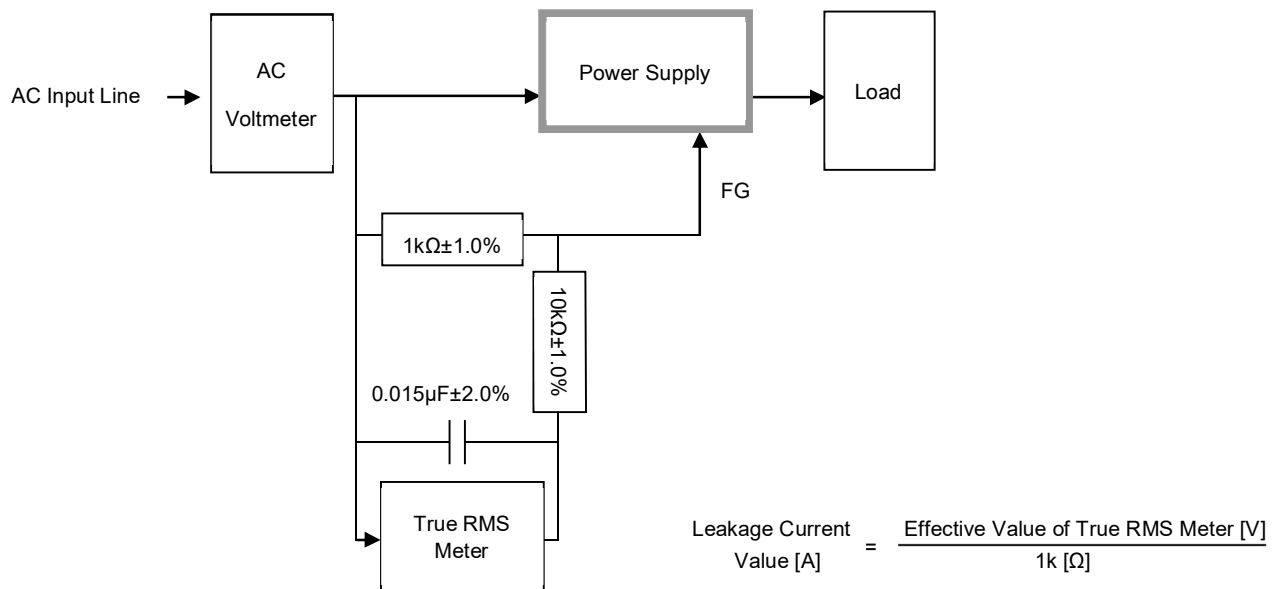


Figure B-4 (IEC60601-1)