ABNORMAL TEST RESULT

OF MODEL AME1200F

1. Did Cheese Cloth or Paper Glow?

    No.

2. Did Ground Fuse Open?

    No.

3. Dielectric breakdown?

    No.

4. Other Results?

    See the following pages .
      (FMEA   : 2/59 〜 55/59)
      (Abnormal Test Result: 56/59 〜 59/59)

There was no emission of flame, molten metal, ignition of cheesecloth, dielectric

breakdown, opening of the ground fuse, other indication of a shock or fire hazard.

Component	Mode	Comment	Output Voltage (V)
C101	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C102	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C105	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C111	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C112	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C113	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C114	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C115	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C116	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C117	Open	Normal operation.	AVR1:*
	Short	F101, F102 opend, No hazard.	AVR1:0
C118	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C119	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C120	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C121	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C122	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C123	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C124	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C125	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C126	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C127	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C151	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C161	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C162	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C163	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

Ver 2.4

Component	Mode	Comment	Output Voltage (V)
C164	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C165	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C166	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C167	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C169	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C170	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C171	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C172	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C173	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C174	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C175	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C181	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

Ver 2.4

Component	Mode	Comment	Output Voltage (V)
C182	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C183	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C184	Open	Output voltage decreased. No hazard.	AVR1:decreased
	Short	Normal operation.	AVR1:*
C201	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C202	Open	F101,F102 opend,No hazard.	AVR1:0
	Short	See 56 Page.	
C203	Open	F101,F102 opend,No hazard.	AVR1:0
	Short	See 56 Page.	
C204	Open	No hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
C205	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C206	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C207	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C208	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C210	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C211	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C212	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C213	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C221	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C222	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C223	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C224	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C230	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C301	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C302	Open	No hazard.	AVR1:0
	Short	See 56 Page.	
C303	Open	Normal operation.	AVR1:*
	Short	See 56 Page.	
C304	Open	Normal operation.	AVR1:*
	Short	See 56 Page.	

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C305	Open	Normal operation.	AVR1:*
	Short	See 56 Page.	
C306	Open	Normal operation.	AVR1:*
	Short	See 56 Page.	
C307	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C308	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C309	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C310	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C311	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C331	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C332	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C333	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C334	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C336	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C337	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C338	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C339	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C340	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C341	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C361	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C362	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C363	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C364	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C371	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C401	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C402	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C403	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C404	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C405	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C406	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C407	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C408	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C421	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C422	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C701	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C702	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C703	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C704	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C705	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C710	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
C711	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C731	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C732	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C771	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C801	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C802	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C803	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C804	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C805	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C806	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0

Ver 2.4

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F M E A

Component	Mode	Comment	Output Voltage (V)
C807	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C808	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C809	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C810	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C811	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C813	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C814	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C815	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C816	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C817	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C819	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C820	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C821	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C831	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C832	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C841	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C842	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
C901	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C902	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C903	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C905	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C906	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C907	Open	No hazard.	AVR1:0
	Short	No hazard.	AVR1:0
C908	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
C909	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C910	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C911	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C912	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C913	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C914	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C915	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C916	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
C917	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D101	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D102	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D103	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
D104	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D105	Open	Normal operation.	AVR1:*
	Short	R106 opened, No Hazard.	AVR1:0
D106	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D107	Open	Normal operation.	AVR1:*
	Short	No hazard.	AVR1:0
D108	Open	No hazard.	AVR1:0
	Short	F101,F102 opend, No hazard.	AVR1:0
D109	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D121	Open	Normal operation.	AVR1:*
	Short	F101,F102 opend, No hazard.	AVR1:0
D122	Open	Normal operation.	AVR1:*
	Short	F101,F102 opend, No hazard.	AVR1:0
D123	Open	Normal operation.	AVR1:*
	Short	F101,F102 opend, No hazard.	AVR1:0
D151	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D153	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D154	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
D162	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D163	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D164	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0
D165	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D166	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D201	Open	See 56 Page.	
	Short	Normal operation.	AVR1:*
D202	Open	See 56 Page.	
	Short	Normal operation.	AVR1:*
D221	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D301	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D302	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
D303	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D304	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
D305	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D331	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D711	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D781	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D782	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D783	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D784	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D785	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D801	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D802	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
D901	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0
D902	Open	No Hazard.	AVR1:0
	Short	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
FAN901	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
FAN902	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
IC151	Open	1	F101,F102 opend,No hazard.	AVR1:0
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0
		8	Normal operation.	AVR1:*
		9	No Hazard.	AVR1:0
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	No Hazard.	AVR1:0
		13	Normal operation.	AVR1:*
		14	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC151	Open	15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
	Short	1-2	Output voltage decreased. No hazard.	AVR1:decreased
		2-3	Output voltage decreased. No hazard.	AVR1:decreased
		3-4	Output voltage decreased. No hazard.	AVR1:decreased
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
		6-7	No Hazard.	AVR1:0
		7-8	No Hazard.	AVR1:0
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	No Hazard.	AVR1:0
		15-16	F101,F102 opend,No hazard.	AVR1:0
IC171	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
IC331	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		4-5	No Hazard.	AVR1:0
IC332	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	Normal operation.	AVR1:*
		5	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC361	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC361	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	No Hazard.	AVR1:0
IC401	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Output voltage decreased. No hazard.	AVR1:decreased
		5	Normal operation.	AVR1:*
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	No Hazard.	AVR1:0
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
		17	Normal operation.	AVR1:*
		18	No Hazard.	AVR1:0

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Open	19	Normal operation.	AVR1:*
		20	No Hazard.	AVR1:0
		21	Normal operation.	AVR1:*
		22	Normal operation.	AVR1:*
		23	Normal operation.	AVR1:*
		24	No Hazard.	AVR1:0
		25	No Hazard.	AVR1:0
		26	No Hazard.	AVR1:0
		27	See 56 Page.	
		28	See 56 Page.	
		29	Normal operation.	AVR1:*
		30	No Hazard.	AVR1:0
		31	No Hazard.	AVR1:0
		32	Normal operation.	AVR1:*
		33	Normal operation.	AVR1:*
		34	No Hazard.	AVR1:0
		35	Normal operation.	AVR1:*
		36	No Hazard.	AVR1:0
		37	Normal operation.	AVR1:*
		38	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Short	5-6	Normal operation.	AVR1:*
		6-7	No Hazard.	AVR1:0
		7-8	Normal operation.	AVR1:*
		8-9	No Hazard.	AVR1:0
		9-10	No Hazard.	AVR1:0
		10-11	Normal operation.	AVR1:*
		11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	No Hazard.	AVR1:0
		18-19	No Hazard.	AVR1:0
		20-21	No Hazard.	AVR1:0
		21-22	Normal operation.	AVR1:*
		22-23	Normal operation.	AVR1:*
		23-24	Normal operation.	AVR1:*
		24-25	Normal operation.	AVR1:*
		25-26	Normal operation.	AVR1:*
		26-27	No Hazard.	AVR1:0
		27-28	No Hazard.	AVR1:0
		28-29	No Hazard.	AVR1:0
		29-30	No Hazard.	AVR1:0

Ver 2.4

CO$EL

F M E A

Component	Mode		Comment	Output Voltage (V)
IC401	Short	30-31	No Hazard.	AVR1:0
		31-32	No Hazard.	AVR1:0
		32-33	Output voltage decreased. No hazard.	AVR1:decreased
		33-34	Output voltage decreased. No hazard.	AVR1:decreased
		34-35	No Hazard.	AVR1:0
		35-36	No Hazard.	AVR1:0
		36-37	No Hazard.	AVR1:0
		37-38	No Hazard.	AVR1:0
IC402	Open	1	Normal operation.	AVR1:*
		2	See 56 Page.	
		3	See 56 Page.	
		4	See 56 Page.	
		5	See 56 Page.	
	Short	1-2	Normal operation.	AVR1:*
		2-3	See 56 Page.	
		4-5	See 56 Page.	
IC403	Open	1	Normal operation.	AVR1:*
		2	See 56 Page.	
		3	See 56 Page.	
		4	See 56 Page.	
		5	See 56 Page.	
	Short	1-2	Normal operation.	AVR1:*
		2-3	See 56 Page.	
		4-5	See 56 Page.	

Ver 2.4

F M E A

Component		Mode	Comment	Output Voltage (V)
IC701	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	Normal operation.	AVR1:*
		6	Output voltage decreased. No hazard.	AVR1:decreased
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	No Hazard.	AVR1:0
		11	No Hazard.	AVR1:0
		12	No Hazard.	AVR1:0
		13	No Hazard.	AVR1:0
		14	No Hazard.	AVR1:0
		15	No Hazard.	AVR1:0
		16	No Hazard.	AVR1:0
		17	No Hazard.	AVR1:0
		18	No Hazard.	AVR1:0
		19	Normal operation.	AVR1:*
		20	Normal operation.	AVR1:*
		21	Normal operation.	AVR1:*
		22	No Hazard.	AVR1:0
		23	No Hazard.	AVR1:0
		24	Normal operation.	AVR1:*

Ver 2.4

Component	Mode		Comment	Output Voltage (V)
IC701	Open	25	Normal operation.	AVR1:*
		26	Normal operation.	AVR1:*
		27	No Hazard.	AVR1:0
		28	Normal operation.	AVR1:*
		29	No Hazard.	AVR1:0
		30	Normal operation.	AVR1:*
		31	Normal operation.	AVR1:*
		32	No Hazard.	AVR1:0
		33	No Hazard.	AVR1:0
		34	No Hazard.	AVR1:0
		35	No Hazard.	AVR1:0
		36	Normal operation.	AVR1:*
		37	Normal operation.	AVR1:*
		38	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		3-4	No Hazard.	AVR1:0
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Output voltage decreased. No hazard.	AVR1:decreased
		7-8	Normal operation.	AVR1:*
		8-9	Normal operation.	AVR1:*
		9-10	No Hazard.	AVR1:0
		10-11	No Hazard.	AVR1:0

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Short	11-12	No Hazard.	AVR1:0
		12-13	No Hazard.	AVR1:0
		13-14	No Hazard.	AVR1:0
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
		16-17	Normal operation.	AVR1:*
		17-18	Normal operation.	AVR1:*
		18-19	Normal operation.	AVR1:*
		20-21	Normal operation.	AVR1:*
		21-22	Normal operation.	AVR1:*
		22-23	No Hazard.	AVR1:0
		23-24	No Hazard.	AVR1:0
		24-25	Normal operation.	AVR1:*
		25-26	Normal operation.	AVR1:*
		26-27	Normal operation.	AVR1:*
		27-28	Normal operation.	AVR1:*
		28-29	Output voltage decreased. No hazard.	AVR1:decreased
		29-30	Output voltage decreased. No hazard.	AVR1:decreased
		30-31	Normal operation.	AVR1:*
		31-32	Output voltage decreased. No hazard.	AVR1:decreased
		32-33	Output voltage decreased. No hazard.	AVR1:decreased
		33-34	No Hazard.	AVR1:0
		34-35	No Hazard.	AVR1:0
		35-36	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC701	Short	36-37	Normal operation.	AVR1:*
		37-38	Normal operation.	AVR1:*
IC711	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*
		9	Normal operation.	AVR1:*
		10	Normal operation.	AVR1:*
		11	Normal operation.	AVR1:*
		12	Normal operation.	AVR1:*
		13	Normal operation.	AVR1:*
		14	Normal operation.	AVR1:*
		15	Normal operation.	AVR1:*
		16	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC711	Short	7-8	Normal operation.	AVR1:*
		9-10	Normal operation.	AVR1:*
		10-11	Normal operation.	AVR1:*
		11-12	Normal operation.	AVR1:*
		12-13	Normal operation.	AVR1:*
		13-14	Normal operation.	AVR1:*
		14-15	Normal operation.	AVR1:*
		15-16	Normal operation.	AVR1:*
IC712	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		4-5	Normal operation.	AVR1:*
IC801	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
IC801	Short	1-2	Normal operation.	AVR1:*
		2-3	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	Normal operation.	AVR1:*
IC901	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	Normal operation.	AVR1:*
		4	Normal operation.	AVR1:*
		5	Normal operation.	AVR1:*
		6	Normal operation.	AVR1:*
		7	Normal operation.	AVR1:*
		8	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		2-3	No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
		5-6	Normal operation.	AVR1:*
		6-7	Normal operation.	AVR1:*
		7-8	No Hazard.	AVR1:0
IC902	Open	1	Normal operation.	AVR1:*
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0

Ver 2.4

CO$EL

F M E A

Component	Mode		Comment	Output Voltage (V)
IC902	Open	5	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
L101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
L102	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
L103	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
	Short	1-2	Normal operation.	AVR1:*
		3-4	Normal operation.	AVR1:*
L111	Open		No Hazard.	AVR1:0
	Short		F101,F102 opend,No hazard.	AVR1:0

Ver 2.4

CO$EL

F M E A

Component	Mode		Comment	Output Voltage (V)
L151	Open		See 56 Page.	
	Short		Normal operation.	AVR1:*
L152	Open		See 57 Page.	
	Short		Normal operation.	AVR1:*
L153	Open		See 57 Page.	
	Short		Normal operation.	AVR1:*
L201	Open		See 57 Page.	
	Short		No Hazard.	AVR1:0
L801	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
L901	Open		No Hazard.	AVR1:0
	Short		No Hazard.	AVR1:0
LED761	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
PC401	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
	Short	1-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
PC402	Open	1	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
PC402	Open	4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
	Short	1-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
PC403	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
PC771	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC772	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PC831	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*
	Short	A-K	Normal operation.	AVR1:*
		C-E	No Hazard.	AVR1:0
PC841	Open	A,K	Normal operation.	AVR1:*
		C,E	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
PC841	Short	A-K	Normal operation.	AVR1:*
		C-E	Normal operation.	AVR1:*
PTH401	Open		No Hazard.	AVR1:0
	Short		Normal operation.	AVR1:*
R101	Open		Normal operation.	AVR1:*
R102	Open		Normal operation.	AVR1:*
R103	Open		Normal operation.	AVR1:*
R104	Open		Normal operation.	AVR1:*
R105	Open		Normal operation.	AVR1:*
R106	Open		Normal operation.	AVR1:*
R107	Open		Normal operation.	AVR1:*
R108	Open		Normal operation.	AVR1:*
R110	Open		No Hazard.	AVR1:0
R111	Open		No Hazard.	AVR1:0
R112	Open		No Hazard.	AVR1:0
R131	Open		Normal operation.	AVR1:*
R132	Open		Normal operation.	AVR1:*
R133	Open		Normal operation.	AVR1:*
R134	Open		Normal operation.	AVR1:*
R135	Open		Normal operation.	AVR1:*
R136	Open		Normal operation.	AVR1:*
R151	Open		No Hazard.	AVR1:0
R152	Open		See 57 Page.	
R153	Open		See 57 Page.	

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R154	Open	See 57 Page.	
R155	Open	Normal operation.	AVR1:*
R156	Open	No Hazard.	AVR1:0
R157	Open	No Hazard.	AVR1:0
R160	Open	Normal operation.	AVR1:*
R161	Open	No Hazard.	AVR1:0
R162	Open	Normal operation.	AVR1:*
R163	Open	Normal operation.	AVR1:*
R164	Open	Normal operation.	AVR1:*
R165	Open	Normal operation.	AVR1:*
R166	Open	Normal operation.	AVR1:*
R167	Open	Normal operation.	AVR1:*
R168	Open	No Hazard.	AVR1:0
R169	Open	Normal operation.	AVR1:*
R170	Open	No Hazard.	AVR1:0
R171	Open	No Hazard.	AVR1:0
R172	Open	Normal operation.	AVR1:*
R173	Open	Normal operation.	AVR1:*
R174	Open	Normal operation.	AVR1:*
R175	Open	Normal operation.	AVR1:*
R176	Open	Normal operation.	AVR1:*
R177	Open	No Hazard.	AVR1:0
R178	Open	Normal operation.	AVR1:*
R180	Open	No Hazard.	AVR1:0

Ver 2.4

Component	Mode	Comment	Output Voltage (V)
R181	Open	No Hazard.	AVR1:0
R182	Open	No Hazard.	AVR1:0
R183	Open	No Hazard.	AVR1:0
R184	Open	No Hazard.	AVR1:0
R185	Open	Normal operation.	AVR1:*
R186	Open	Normal operation.	AVR1:*
R187	Open	No Hazard.	AVR1:0
R188	Open	Normal operation.	AVR1:*
R191	Open	Normal operation.	AVR1:*
R192	Open	Normal operation.	AVR1:*
R193	Open	Normal operation.	AVR1:*
R194	Open	No Hazard.	AVR1:0
R195	Open	No Hazard.	AVR1:0
R197	Open	Normal operation.	AVR1:*
R201	Open	Normal operation.	AVR1:*
R202	Open	Normal operation.	AVR1:*
R203	Open	Normal operation.	AVR1:*
R204	Open	Normal operation.	AVR1:*
R205	Open	No Hazard.	AVR1:0
R206	Open	No Hazard.	AVR1:0
R207	Open	No Hazard.	AVR1:0
R211	Open	No Hazard.	AVR1:0
R212	Open	F101,F102 opend,No hazard.	AVR1:0
R213	Open	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R214	Open	F101,F102 opend,No hazard.	AVR1:0
R215	Open	No hazard.	AVR1:0
R216	Open	Normal operation.	AVR1:*
R218	Open	Normal operation.	AVR1:*
R219	Open	Normal operation.	AVR1:*
R221	Open	Normal operation.	AVR1:*
R222	Open	Normal operation.	AVR1:*
R224	Open	No Hazard.	AVR1:0
R225	Open	No Hazard.	AVR1:0
R226	Open	Normal operation.	AVR1:*
R227	Open	Normal operation.	AVR1:*
R228	Open	Normal operation.	AVR1:*
R231	Open	Normal operation.	AVR1:*
R232	Open	Normal operation.	AVR1:*
R233	Open	Normal operation.	AVR1:*
R234	Open	Normal operation.	AVR1:*
R236	Open	No Hazard.	AVR1:0
R237	Open	No Hazard.	AVR1:0
R238	Open	No Hazard.	AVR1:0
R239	Open	No Hazard.	AVR1:0
R301	Open	Normal operation.	AVR1:*
R302	Open	Normal operation.	AVR1:*
R303	Open	No Hazard.	AVR1:0
R304	Open	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R305	Open	Normal operation.	AVR1:*
R306	Open	Normal operation.	AVR1:*
R307	Open	Normal operation.	AVR1:*
R308	Open	Normal operation.	AVR1:*
R309	Open	No Hazard.	AVR1:0
R310	Open	No Hazard.	AVR1:0
R311	Open	No Hazard.	AVR1:0
R312	Open	Normal operation.	AVR1:*
R313	Open	No Hazard.	AVR1:0
R314	Open	Normal operation.	AVR1:*
R315	Open	Normal operation.	AVR1:*
R316	Open	Normal operation.	AVR1:*
R331	Open	No Hazard.	AVR1:0
R332	Open	No Hazard.	AVR1:0
R333	Open	No Hazard.	AVR1:0
R335	Open	Normal operation.	AVR1:*
R338	Open	No Hazard.	AVR1:0
R339	Open	No Hazard.	AVR1:0
R340	Open	Normal operation.	AVR1:*
R341	Open	Normal operation.	AVR1:*
R342	Open	No Hazard.	AVR1:0
R343	Open	No Hazard.	AVR1:0
R344	Open	No Hazard.	AVR1:0
R345	Open	Normal operation.	AVR1:*

Ver 2.4

Component	Mode	Comment	Output Voltage (V)
R347	Open	No Hazard.	AVR1:0
R348	Open	No Hazard.	AVR1:0
R349	Open	No Hazard.	AVR1:0
R350	Open	Normal operation.	AVR1:*
R351	Open	Normal operation.	AVR1:*
R361	Open	No Hazard.	AVR1:0
R362	Open	Normal operation.	AVR1:*
R369	Open	No Hazard.	AVR1:0
R371	Open	Normal operation.	AVR1:*
R372	Open	Normal operation.	AVR1:*
R373	Open	Normal operation.	AVR1:*
R374	Open	Normal operation.	AVR1:*
R375	Open	Normal operation.	AVR1:*
R377	Open	Normal operation.	AVR1:*
R378	Open	Normal operation.	AVR1:*
R379	Open	Normal operation.	AVR1:*
R391	Open	No Hazard.	AVR1:0
R401	Open	Output voltage decreased. No hazard.	AVR1:decreased
R402	Open	Normal operation.	AVR1:*
R403	Open	Normal operation.	AVR1:*
R404	Open	Normal operation.	AVR1:*
R405	Open	Normal operation.	AVR1:*
R406	Open	Normal operation.	AVR1:*
R407	Open	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R408	Open	Normal operation.	AVR1:*
R409	Open	Normal operation.	AVR1:*
R412	Open	Normal operation.	AVR1:*
R413	Open	Normal operation.	AVR1:*
R414	Open	No Hazard.	AVR1:0
R415	Open	Normal operation.	AVR1:*
R421	Open	No Hazard.	AVR1:0
R422	Open	No Hazard.	AVR1:0
R424	Open	Normal operation.	AVR1:*
R425	Open	Normal operation.	AVR1:*
R426	Open	Normal operation.	AVR1:*
R701	Open	No Hazard.	AVR1:0
R702	Open	Normal operation.	AVR1:*
R710	Open	Normal operation.	AVR1:*
R711	Open	Normal operation.	AVR1:*
R712	Open	Normal operation.	AVR1:*
R713	Open	No Hazard.	AVR1:0
R714	Open	No Hazard.	AVR1:0
R715	Open	Normal operation.	AVR1:*
R716	Open	Normal operation.	AVR1:*
R717	Open	Normal operation.	AVR1:*
R718	Open	Normal operation.	AVR1:*
R719	Open	Normal operation.	AVR1:*
R733	Open	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R734	Open	Normal operation.	AVR1:*
R735	Open	Normal operation.	AVR1:*
R736	Open	Normal operation.	AVR1:*
R761	Open	Normal operation.	AVR1:*
R772	Open	Normal operation.	AVR1:*
R774	Open	Normal operation.	AVR1:*
R784	Open	Normal operation.	AVR1:*
R785	Open	Normal operation.	AVR1:*
R786	Open	Normal operation.	AVR1:*
R787	Open	Normal operation.	AVR1:*
R788	Open	Normal operation.	AVR1:*
R789	Open	Normal operation.	AVR1:*
R791	Open	Normal operation.	AVR1:*
R792	Open	Normal operation.	AVR1:*
R793	Open	Normal operation.	AVR1:*
R801	Open	Normal operation.	AVR1:*
R803	Open	Normal operation.	AVR1:*
R804	Open	Normal operation.	AVR1:*
R805	Open	Normal operation.	AVR1:*
R806	Open	Normal operation.	AVR1:*
R807	Open	Normal operation.	AVR1:*
R808	Open	Normal operation.	AVR1:*
R810	Open	Normal operation.	AVR1:*
R812	Open	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode	Comment	Output Voltage (V)
R813	Open	Normal operation.	AVR1:*
R814	Open	Normal operation.	AVR1:*
R815	Open	Normal operation.	AVR1:*
R816	Open	Normal operation.	AVR1:*
R817	Open	Normal operation.	AVR1:*
R818	Open	Normal operation.	AVR1:*
R819	Open	Normal operation.	AVR1:*
R820	Open	Normal operation.	AVR1:*
R824	Open	Normal operation.	AVR1:*
R825	Open	Normal operation.	AVR1:*
R826	Open	Normal operation.	AVR1:*
R827	Open	Normal operation.	AVR1:*
R831	Open	Normal operation.	AVR1:*
R832	Open	Normal operation.	AVR1:*
R841	Open	Normal operation.	AVR1:*
R844	Open	Normal operation.	AVR1:*
R845	Open	Normal operation.	AVR1:*
R902	Open	Normal operation.	AVR1:*
R903	Open	No Hazard.	AVR1:0
R904	Open	No Hazard.	AVR1:0
R905	Open	Normal operation.	AVR1:*
R906	Open	Normal operation.	AVR1:*
R907	Open	No Hazard.	AVR1:0
R908	Open	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
R909	Open		No Hazard.	AVR1:0
R910	Open		No Hazard.	AVR1:0
R911	Open		No Hazard.	AVR1:0
R912	Open		Normal operation.	AVR1:*
SS101	Open		No Hazard.	AVR1:0
	Short		F101,F102 opend,No hazard.	AVR1:0
SS102	Open		No Hazard.	AVR1:0
	Short		F101,F102 opend,No hazard.	AVR1:0
T101	Open	1	See 57 Page.	
		2	See 57 Page.	
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	See 57 Page.	
		6	See 57 Page.	
	Short	1-2	See 57 Page.	
		2-3	See 57 Page.	
		3-4	No Hazard.	AVR1:0
		5-6	See 57 Page.	
T301	Open	1	Normal operation.	AVR1:*
		2	Normal operation.	AVR1:*
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		7	No Hazard.	AVR1:0

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
T301	Open	9	No Hazard.	AVR1:0
		10	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	Normal operation.	AVR1:*
		3-4	No Hazard.	AVR1:0
TH701	Open		Normal operation.	AVR1:*
	Short		Normal operation.	AVR1:*
TR101	Open	D	See 57 Page.	
		S	See 57 Page.	
		G	See 57 Page.	
	Short	D-S	See 57 Page.	
		S-G	See 57 Page.	
		G-D	See 57 Page.	
TR102	Open	D	See 57 Page.	
		S	See 57 Page.	
		G	See 57 Page.	
	Short	D-S	See 57 Page.	
		S-G	See 57 Page.	
		G-D	See 58 Page.	
TR103	Open	D	See 58 Page.	
		S	See 58 Page.	
		G	See 58 Page.	
	Short	D-S	See 58 Page.	
		S-G	See 58 Page.	

Ver 2.4

CO$EL

F M E A

Component	Mode		Comment	Output Voltage (V)
TR103	Short	G-D	See 58 Page.	
TR151	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR152	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR153	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR161	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*

Ver 2.4

Component	Mode		Comment	Output Voltage (V)
TR161	Short	B-C	Normal operation.	AVR1:*
TR162	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR163	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR164	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR165	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
TR165	Short	G-D	Normal operation.	AVR1:*
TR166	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR201	Open	D	See 58 Page.	
		S	See 58 Page.	
		G	See 58 Page.	
	Short	D-S	See 58 Page.	
		S-G	See 58 Page.	
		G-D	See 58 Page.	
TR202	Open	D	See 58 Page.	
		S	See 58 Page.	
		G	See 58 Page.	
	Short	D-S	See 58 Page.	
		S-G	See 58 Page.	
		G-D	See 58 Page.	
TR203	Open	S(1)	F101,F102 opend,No hazard.	AVR1:0
		G(2)	F101,F102 opend,No hazard.	AVR1:0
		D(3)	F101,F102 opend,No hazard.	AVR1:0
		S(4)	F101,F102 opend,No hazard.	AVR1:0
		G(5)	F101,F102 opend,No hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR203	Open	D(6)	F101,F102 opend, No hazard.	AVR1:0
	Short	S-G(1-2)	F101,F102 opend, No hazard.	AVR1:0
		G-D(2-3)	F101,F102 opend, No hazard.	AVR1:0
		D-S(3-4)	F101,F102 opend, No hazard.	AVR1:0
		S-G(4-5)	F101,F102 opend, No hazard.	AVR1:0
		G-D(5-6)	F101,F102 opend, No hazard.	AVR1:0
TR204	Open	S(1)	F101,F102 opend, No hazard.	AVR1:0
		G(2)	F101,F102 opend, No hazard.	AVR1:0
		D(3)	F101,F102 opend, No hazard.	AVR1:0
		S(4)	F101,F102 opend, No hazard.	AVR1:0
		G(5)	F101,F102 opend, No hazard.	AVR1:0
		D(6)	F101,F102 opend, No hazard.	AVR1:0
	Short	S-G(1-2)	F101,F102 opend, No hazard.	AVR1:0
		G-D(2-3)	F101,F102 opend, No hazard.	AVR1:0
		D-S(3-4)	F101,F102 opend, No hazard.	AVR1:0
		S-G(4-5)	F101,F102 opend, No hazard.	AVR1:0
		G-D(5-6)	F101,F102 opend, No hazard.	AVR1:0
TR205	Open	D	F101,F102 opend, No hazard.	AVR1:0
		S	F101,F102 opend, No hazard.	AVR1:0
		G	F101,F102 opend, No hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR206	Open	D	F101,F102 opend, No hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR206	Open	S	F101,F102 opend, No hazard.	AVR1:0
		G	F101,F102 opend, No hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR301	Open	S(1)	No Hazard.	AVR1:0
		G(2)	No Hazard.	AVR1:0
		D(3)	No Hazard.	AVR1:0
		S(4)	No Hazard.	AVR1:0
		G(5)	No Hazard.	AVR1:0
		D(6)	No Hazard.	AVR1:0
	Short	S-G(1-2)	No Hazard.	AVR1:0
		G-D(2-3)	No Hazard.	AVR1:0
		D-S(3-4)	No Hazard.	AVR1:0
		S-G(4-5)	No Hazard.	AVR1:0
		G-D(5-6)	No Hazard.	AVR1:0
TR330	Open	D	See 58 Page.	
		S	See 58 Page.	
		G	See 58 Page.	
	Short	D-S	See 58 Page.	
		S-G	See 58 Page.	
		G-D	See 59 Page.	
TR335	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR335	Open	B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR336	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR337	Open	C	No Hazard.	AVR1:0
		E	No Hazard.	AVR1:0
		B	No Hazard.	AVR1:0
	Short	C-E	No Hazard.	AVR1:0
		E-B	No Hazard.	AVR1:0
		B-C	No Hazard.	AVR1:0
TR371	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	No Hazard.	AVR1:0
TR372	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR372	Open	B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR401	Open	D	Output voltage decreased. No hazard.	AVR1:decreased
		S	Output voltage decreased. No hazard.	AVR1:decreased
		G	Output voltage decreased. No hazard.	AVR1:decreased
	Short	D-S	Normal operation.	AVR1:*
		S-G	R106 opened, No Hazard.	AVR1:0
		G-D	R106 opened, No Hazard.	AVR1:0
TR424	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR425	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR710	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0

Ver 2.4

COSEL

F M E A

Component	Mode		Comment	Output Voltage (V)
TR710	Open	G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR731	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR771	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR772	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR773	Open	1(1)	Normal operation.	AVR1:*
		1(2)	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR773	Open	2(3)	Normal operation.	AVR1:*
		2(4)	Normal operation.	AVR1:*
		2(5)	Normal operation.	AVR1:*
		1(6)	Normal operation.	AVR1:*
	Short	1-1(1-2)	Normal operation.	AVR1:*
		1-2(2-3)	Normal operation.	AVR1:*
		2-2(3-4)	Normal operation.	AVR1:*
		2-2(4-5)	Normal operation.	AVR1:*
		2-1(5-6)	Normal operation.	AVR1:*
TR791	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	No Hazard.	AVR1:0
		E-B	Normal operation.	AVR1:*
		B-C	No Hazard.	AVR1:0
TR801	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	Normal operation.	AVR1:*
		S-G	Normal operation.	AVR1:*
		G-D	Normal operation.	AVR1:*
TR802	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*

Ver 2.4

F M E A

Component	Mode		Comment	Output Voltage (V)
TR802	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR811	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*
		E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR812	Open	1(1)	Normal operation.	AVR1:*
		1(2)	Normal operation.	AVR1:*
		2(3)	Normal operation.	AVR1:*
		2(4)	Normal operation.	AVR1:*
		2(5)	Normal operation.	AVR1:*
		1(6)	Normal operation.	AVR1:*
	Short	1-1(1-2)	Normal operation.	AVR1:*
		1-2(2-3)	Normal operation.	AVR1:*
		2-2(3-4)	Normal operation.	AVR1:*
		2-2(4-5)	Normal operation.	AVR1:*
		2-1(5-6)	Normal operation.	AVR1:*
TR841	Open	C	Normal operation.	AVR1:*
		E	Normal operation.	AVR1:*
		B	Normal operation.	AVR1:*
	Short	C-E	Normal operation.	AVR1:*

Ver 2.4

Component	Mode		Comment	Output Voltage (V)
TR841	Short	E-B	Normal operation.	AVR1:*
		B-C	Normal operation.	AVR1:*
TR901	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
X111	Open	1	R106 opened, No Hazard.	AVR1:0
		2	R106 opened, No Hazard.	AVR1:0
		3	R106 opened, No Hazard.	AVR1:0
		4	R106 opened, No Hazard.	AVR1:0
	Short	1-2	R106 opened, No Hazard.	AVR1:0
		3-4	Normal operation.	AVR1:*
ZD161	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD201	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD202	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD301	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0
ZD331	Open		Normal operation.	AVR1:*
	Short		No Hazard.	AVR1:0

Ver 2.4

Component	Mode	Comment	Output Voltage (V)
ZD371	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
ZD372	Open	No Hazard.	AVR1:0
	Short	Normal operation.	AVR1:*
ZD781	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD782	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD783	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD784	Open	Normal operation.	AVR1:*
	Short	Output voltage decreased. No hazard.	AVR1:decreased
ZD785	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD786	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD801	Open	Normal operation.	AVR1:*
	Short	Normal operation.	AVR1:*
ZD901	Open	Normal operation.	AVR1:*
	Short	No Hazard.	AVR1:0

Ver 2.4

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
C202	Short		No Hazard.	AVR1:0
C203	Short		No Hazard.	AVR1:0
C302	Short		No Hazard.	AVR1:0
C303	Short		No Hazard.	AVR1:0
C304	Short		No Hazard.	AVR1:0
C305	Short		No Hazard.	AVR1:0
C306	Short		No Hazard.	AVR1:0
D201	Open		No Hazard.	AVR1:0
D202	Open		No Hazard.	AVR1:0
IC401	Open	27	No Hazard.	AVR1:0
		28	No Hazard.	AVR1:0
IC402	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
IC403	Open	2	No Hazard.	AVR1:0
		3	No Hazard.	AVR1:0
		4	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
	Short	2-3	No Hazard.	AVR1:0
		4-5	No Hazard.	AVR1:0
L151	Open		Normal operation.	AVR1:*

Ver 2.4

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
L152	Open		Normal operation.	AVR1:*
L153	Open		Normal operation.	AVR1:*
L201	Open		Normal operation.	AVR1:*
R152	Open		Normal operation.	AVR1:*
R153	Open		Normal operation.	AVR1:*
R154	Open		Normal operation.	AVR1:*
T101	Open	1	No Hazard.	AVR1:0
		2	No Hazard.	AVR1:0
		5	No Hazard.	AVR1:0
		6	No Hazard.	AVR1:0
	Short	1-2	No Hazard.	AVR1:0
		2-3	No Hazard.	AVR1:0
		5-6	No Hazard.	AVR1:0
TR101	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	F101, 102 opened, No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	F101, 102 opened, No Hazard.	AVR1:0
TR102	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	F101, 102 opened, No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*

Ver 2.4

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR102	Short	G-D	F101, 102 opened, No Hazard.	AVR1:0
TR103	Open	D	Normal operation.	AVR1:*
		S	Normal operation.	AVR1:*
		G	Normal operation.	AVR1:*
	Short	D-S	F101, 102 opened, No Hazard.	AVR1:0
		S-G	Normal operation.	AVR1:*
		G-D	F101, 102 opened, No Hazard.	AVR1:0
TR201	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR202	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0
		G-D	No Hazard.	AVR1:0
TR330	Open	D	No Hazard.	AVR1:0
		S	No Hazard.	AVR1:0
		G	No Hazard.	AVR1:0
	Short	D-S	D305, T301(5-7) opened, No Hazard.	AVR1:0
		S-G	No Hazard.	AVR1:0

Ver 2.4

COSEL

ABNORMAL TEST RESULT

Component	Mode		Comment	Output Voltage (V)
TR330	Short	G-D	D304,T301(5-7) opened,No Hazard.	AVR1:0

Ver 2.4