- SETTING TABLE 132 kV -

Unit	Feeder	CTR	VTR	Relay	Type	Make	In	Range	Adopt. Settings	
E01	**RIQE-C**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A		*	*
	Bay No.04			DEF	7SR1205	SIEMENS	1A		*	*
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N**	SIEMENS	1A	P/F setting I_S	**0.3 In**	
					7SR18			Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	
E02	**SPARE**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A		*	*
				DEF	7SR1205	SIEMENS	1A		*	*
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N**	SIEMENS	1A	P/F setting I_S	**0.3 In**	
					7SR18			Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	
E03	**TR1 30 MVA**	200/1		OC	7SR1102	SIEMENS	1A	NI	**100%**	**0.40 s**
				EF	7SR1102			NI	**20%**	**0.10 s**
		200/1		Tr.Diff.	7SR242	SIEMENS	1A			
		1600/1						87BD Element	**Enabled**	
								87 BD Initial	**0.30**	
								87 BD 1st Bias Slop	**0.30**	
								87 BD 1st Bias Slop Lim	**3 In**	
								87 BD 2nd Bias Slop Typ	**Line**	
								87 BD 2nd Bias Slop	**1.5**	
								87 BD Delay	**0.005 s**	
								87 BD Inrush Action	**Inhibit**	
								87 BD Overfluxing Actio	**OFF**	
		1600/1		R.E.F.	7SR1101	SIEMENS	1A	V set = 35.355 Volt, Is= 0.2A R=180 Ohm		
		800/1		S.By. EF	7SR1101	SIEMENS	1A		**20%**	**0.50**
E04	**Bus Section 1**	800/1		OC	7SR1102	SIEMENS	1A	NI	**150%**	**0.60 s**
				EF			1A	NI	**80%**	**0.60 s**
		800/1		BF	7SS85	SIEMENS		T1=120 ms. T2=260ms. I=20 %		
E05	**ARDY-AW**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A		*	*
	Bay No.25			DEF	7SR1205	SIEMENS	1A		*	*
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N**	SIEMENS	1A	P/F setting I_S	**0.3 In**	
					7SR18			Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	
E06	**TR2 30 MVA**	200/1		OC	7SR1102	SIEMENS	1A	NI	**100%**	**0.40 s**
				EF	7SR1102			NI	**20%**	**0.10 s**
		200/1		Tr.Diff.	7SR242	SIEMENS	1A			
		1600/1						87BD Element	**Enabled**	
								87 BD Initial	**0.30**	
								87 BD 1st Bias Slop	**0.30**	
								87 BD 1st Bias Slop Lim	**3 In**	
								87 BD 2nd Bias Slop Typ	**Line**	
								87 BD 2nd Bias Slop	**1.5**	
								87 BD Delay	**0.005 s**	
								87 BD Inrush Action	**Inhibit**	
								87 BD Overfluxing Actio	**OFF**	
		1600/1		R.E.F.	7SR1101	SIEMENS	1A	V set = 35.355 Volt, Is= 0.2A R=180 Ohm		
		800/1		S.By. EF	7SR1101	SIEMENS	1A		**20%**	**0.50**
E07	**Bus Section 2**	800/1		OC	7SR1102	SIEMENS	1A	NI	**150%**	**0.60 s**
				EF			1A	NI	**80%**	**0.60 s**

		800/1		BF	7SR1103	SIEMENS		T1=120 ms. T2=260ms. I=20 %		
E08	**TR3 30 MVA**	200/1		OC	7SR1102	SIEMENS	1A	NI	**100%**	**0.40 s**
				EF	7SR1102			NI	**20%**	**0.10 s**
		200/1		Tr.Diff.	7SR242	SIEMENS	1A			
		1600/1						87BD Element	**Enabled**	
								87 BD Initial	**0.30**	
								87 BD 1st Bias Slop	**0.30**	
								87 BD 1st Bias Slop Lim	**3 In**	
								87 BD 2nd Bias Slop Typ	**Line**	
								87 BD 2nd Bias Slop	**1.5**	
								87 BD Delay	**0.005 s**	
								87 BD Inrush Action	**Inhibit**	
								87 BD Overfluxing Actio	**OFF**	
		1600/1		R.E.F.	7SR1101	SIEMENS	1A	V set = 35.355 Volt, Is= 0.2A R=180 Ohm		
		800/1		S.By. EF	7SR1101	SIEMENS	1A		**20%**	**0.50**
E09	**SPARE**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A	SI IEC; 30 deg+-90	**100%**	**0.10 s**
				DEF	7SR1205	SIEMENS	1A	SI IEC; 90 deg+-90	**80%**	**0.10 s**
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N** 7SR18	SIEMENS	1A	P/F setting I_S	**0.3 In**	
								Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	
E10	**Bus Section3**	800/1		OC	7SR1102	SIEMENS	1A	NI	**150%**	**0.60 s**
				EF			1A	NI	**80%**	**0.60 s**
		800/1		BF	7SR1103	SIEMENS		T1=120 ms. T2=260ms. I=20 %		
E11	**TR4 30 MVA**	200/1		OC	7SR1102	SIEMENS	1A	NI	**100%**	**0.40 s**
				EF	7SR1102			NI	**20%**	**0.10 s**
		200/1		Tr.Diff.	7SR242	SIEMENS	1A			
		1600/1						87BD Element	**Enabled**	
								87 BD Initial	**0.30**	
								87 BD 1st Bias Slop	**0.30**	
								87 BD 1st Bias Slop Lim	**3 In**	
								87 BD 2nd Bias Slop Typ	**Line**	
								87 BD 2nd Bias Slop	**1.5**	
								87 BD Delay	**0.005 s**	
								87 BD Inrush Action	**Inhibit**	
								87 BD Overfluxing Actio	**OFF**	
		1600/1		R.E.F.	7SR1101	SIEMENS	1A	V set = 35.355 Volt, Is= 0.2A R=180 Ohm		
		800/1		S.By. EF	7SR1101	SIEMENS	1A		**20%**	**0.50**
E12	**SPARE**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A	SI IEC; 30 deg+-90	*	*
				DEF	7SR1205	SIEMENS	1A	SI IEC; 90 deg+-90	*	*
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N** 7SR18	SIEMENS	1A	P/F setting I_S	**0.3 In**	
								Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	
E13	**EARD-A Bay No.11**	800/1	132/0,11	DOC	7SR1205	SIEMENS	1A	SI IEC; 30 deg+-90	*	*
				DEF	7SR1205	SIEMENS	1A	SI IEC; 90 deg+-90	*	*
								D.Angle(OC&EF)	**+45**	**0**
		800/1		C DIFF	**SOLKOR N** 7SR18	SIEMENS	1A	P/F setting I_S	**0.3 In**	
								Phase bias 1	**30%**	
								Phase bias 2	**150%**	
								Bias Break poin	**2 I_n**	
								Delay	**0.00 Sec.**	

Bus/Bar Protection

Type: 7SS85

Make: SIEMENS

Circuit Breaker Failure Protection

Type: 7SR1103

Make: SIEMENS