

EXHIBIT B - Ross 30 MVA Transformer - GE 745 Differential Relay

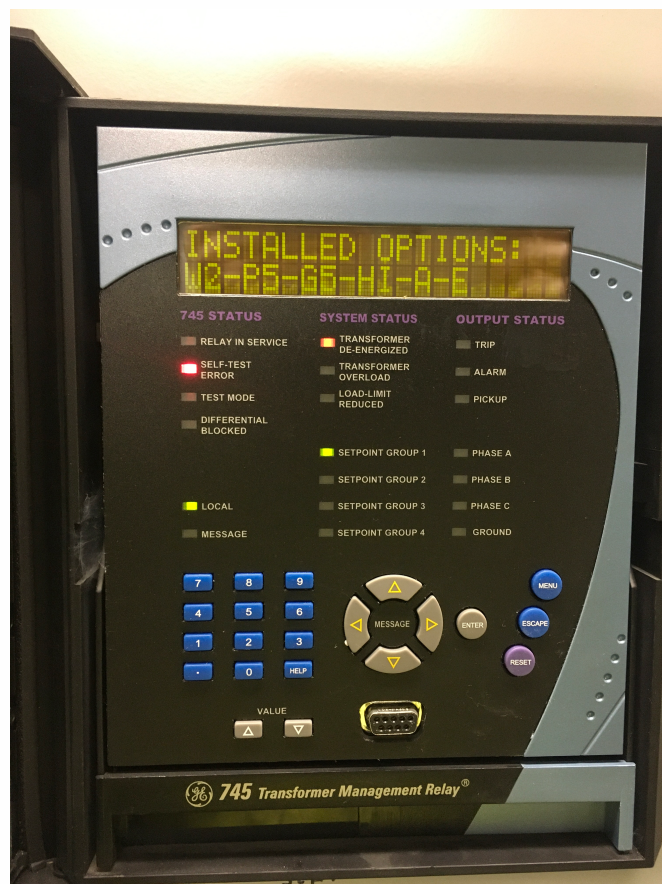
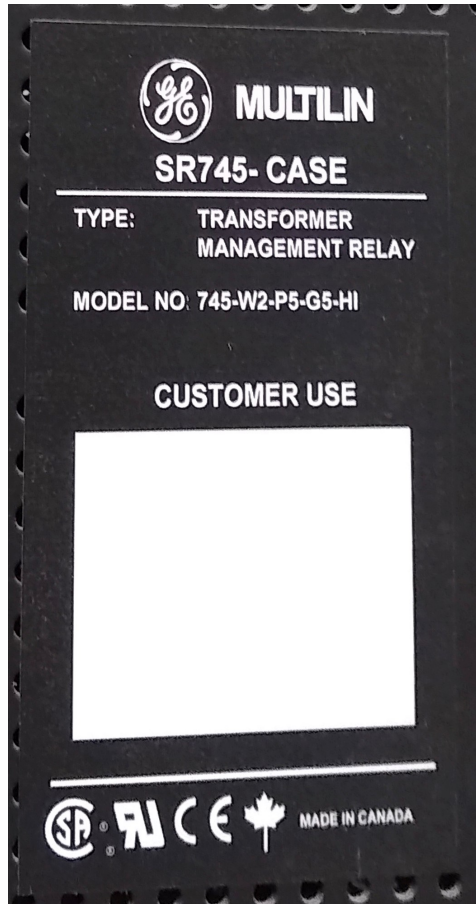


EXHIBIT B - Ross 30 MVA Transformer - GE 745 Differential Relay





Export Settings Report

Ross Substation 30MVA Transformer Differential Relay

OVERVIEW

Device Summary

File Name	SR745_RS_301A.745 C:\Users\p bauer\Documents\DATA \Documents\SDSTA\Power System \Ross Substation\Relays\Rick's Multilin settings\
Product Version	230
Setting Type	Settings
Order Code	745-W2-P5-G5-HI
Serial Number	
Description	

Generated at : Nov 18 2020 08:43:05



Installed meter: [SR745](#)

HARDWARE REVISION: H

FIRMWARE REVISION: 511

BOOTWARE REVISION 300

VERSION NUMBER: 000

INSTALLED OPTIONS: W2-P5-G5-A-E

SERIAL NUMBER: E3390531

MANUFACTURE DATE: JULY 02, 2009

745 SETUP - > PREFERENCES - > PREFERENCES

Flash Message Time	5.0 s
Default Message Timeout	300 s
Default Message Intensity	100 %

745 SETUP - > RESETING - > RESETING

Local Reset Block	Disabled
Remote Reset Signal	Disabled

745 SETUP - > SCRATCHPAD - > SCRATCHPAD

Scratchpad Message 1	Text 1
Scratchpad Message 2	Text 2
Scratchpad Message 3	Text 3
Scratchpad Message 4	Text 4
Scratchpad Message 5	Text 5

745 SETUP - > INSTALLATION - > INSTALLATION

SR745 Setpoints	Programmed
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Clear Event Recorder Signal	Disabled
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SYSTEM SETUP - > TRANSFORMERS - > TRANSFORMERS

Nominal Frequency	60 Hz
Phase Sequence	ABC
Transformer Type	D/y30°
Load Loss at Rated Load	95 kW
Low Voltage Winding Rating	Above 5 kV

SYSTEM SETUP - > WINDINGS - > WINDINGS 1

W1 Nominal Phase-to-Phase Voltage	69.0 kV
W1 Rated Load	29.8 MVA
W1 Phase CT Primary	250 5 A
W1 Ground CT Primary	50 5 A NONE CONNECTED
W1 Series 3-Phase Resistance	10.700 Ohm

SYSTEM SETUP - > WINDINGS - > WINDINGS 2

W2 Nominal Phase-to-Phase Voltage	12.5 kV
W2 Rated Load	29.8 MVA
W2 Phase CT Primary	1500 5 A
W2 Ground CT Primary	50 5 A
W2 Series 3-Phase Resistance	2.100 Ohm

SYSTEM SETUP - > ONLOAD TAP CHANGER - > ONLOAD TAP CHANGER

Winding With Tap Changer	None
Number of Tap Positions	33
Minimum Tap Position Voltage	61.0 kV
Voltage Increment Per Tap	0.50 kV
Resistance Increment Per Tap	33 Ohm

SYSTEM SETUP - > HARMONICS DERATING - > HARMONIC DERATING

Harmonic Derating Estimation	Disabled
THD Minimum Harmonic Number	2nd
THD Maximum Harmonic Number	21st



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SYSTEM SETUP - > FLEXCURVES - > FLEXCURVE A

FlexCurve A Delay at 1.03 x PKP	0 ms
FlexCurve A Delay at 1.05 x PKP	0 ms
FlexCurve A Delay at 1.10 x PKP	0 ms
FlexCurve A Delay at 1.20 x PKP	0 ms
FlexCurve A Delay at 1.30 x PKP	0 ms
FlexCurve A Delay at 1.40 x PKP	0 ms
FlexCurve A Delay at 1.50 x PKP	0 ms
FlexCurve A Delay at 1.60 x PKP	0 ms
FlexCurve A Delay at 1.70 x PKP	0 ms
FlexCurve A Delay at 1.80 x PKP	0 ms
FlexCurve A Delay at 1.90 x PKP	0 ms
FlexCurve A Delay at 2.00 x PKP	0 ms
FlexCurve A Delay at 2.10 x PKP	0 ms
FlexCurve A Delay at 2.20 x PKP	0 ms
FlexCurve A Delay at 2.30 x PKP	0 ms
FlexCurve A Delay at 2.40 x PKP	0 ms
FlexCurve A Delay at 2.50 x PKP	0 ms
FlexCurve A Delay at 2.60 x PKP	0 ms
FlexCurve A Delay at 2.70 x PKP	0 ms
FlexCurve A Delay at 2.80 x PKP	0 ms
FlexCurve A Delay at 2.90 x PKP	0 ms
FlexCurve A Delay at 3.00 x PKP	0 ms
FlexCurve A Delay at 3.10 x PKP	0 ms
FlexCurve A Delay at 3.20 x PKP	0 ms
FlexCurve A Delay at 3.30 x PKP	0 ms
FlexCurve A Delay at 3.40 x PKP	0 ms
FlexCurve A Delay at 3.50 x PKP	0 ms
FlexCurve A Delay at 3.60 x PKP	0 ms
FlexCurve A Delay at 3.70 x PKP	0 ms
FlexCurve A Delay at 3.80 x PKP	0 ms
FlexCurve A Delay at 3.90 x PKP	0 ms



Export Settings Report

FlexCurve A Delay at 4.00 x PKP	0 ms
FlexCurve A Delay at 4.10 x PKP	0 ms
FlexCurve A Delay at 4.20 x PKP	0 ms
FlexCurve A Delay at 4.30 x PKP	0 ms
FlexCurve A Delay at 4.40 x PKP	0 ms
FlexCurve A Delay at 4.50 x PKP	0 ms
FlexCurve A Delay at 4.60 x PKP	0 ms
FlexCurve A Delay at 4.70 x PKP	0 ms
FlexCurve A Delay at 4.80 x PKP	0 ms
FlexCurve A Delay at 4.90 x PKP	0 ms
FlexCurve A Delay at 5.00 x PKP	0 ms
FlexCurve A Delay at 5.10 x PKP	0 ms
FlexCurve A Delay at 5.20 x PKP	0 ms
FlexCurve A Delay at 5.30 x PKP	0 ms
FlexCurve A Delay at 5.40 x PKP	0 ms
FlexCurve A Delay at 5.50 x PKP	0 ms
FlexCurve A Delay at 5.60 x PKP	0 ms
FlexCurve A Delay at 5.70 x PKP	0 ms
FlexCurve A Delay at 5.80 x PKP	0 ms
FlexCurve A Delay at 5.90 x PKP	0 ms
FlexCurve A Delay at 6.00 x PKP	0 ms
FlexCurve A Delay at 6.50 x PKP	0 ms
FlexCurve A Delay at 7.00 x PKP	0 ms
FlexCurve A Delay at 7.50 x PKP	0 ms
FlexCurve A Delay at 8.00 x PKP	0 ms
FlexCurve A Delay at 8.50 x PKP	0 ms
FlexCurve A Delay at 9.00 x PKP	0 ms
FlexCurve A Delay at 9.50 x PKP	0 ms
FlexCurve A Delay at 10.00 x PKP	0 ms
FlexCurve A Delay at 10.50 x PKP	0 ms
FlexCurve A Delay at 11.00 x PKP	0 ms
FlexCurve A Delay at 11.50 x PKP	0 ms
FlexCurve A Delay at 12.00 x PKP	0 ms



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FlexCurve A Delay at 12.50 x PKP	0 ms
FlexCurve A Delay at 13.00 x PKP	0 ms
FlexCurve A Delay at 13.50 x PKP	0 ms
FlexCurve A Delay at 14.00 x PKP	0 ms
FlexCurve A Delay at 14.50 x PKP	0 ms
FlexCurve A Delay at 15.00 x PKP	0 ms
FlexCurve A Delay at 15.50 x PKP	0 ms
FlexCurve A Delay at 16.00 x PKP	0 ms
FlexCurve A Delay at 16.50 x PKP	0 ms
FlexCurve A Delay at 17.00 x PKP	0 ms
FlexCurve A Delay at 17.50 x PKP	0 ms
FlexCurve A Delay at 18.00 x PKP	0 ms
FlexCurve A Delay at 18.50 x PKP	0 ms
FlexCurve A Delay at 19.00 x PKP	0 ms
FlexCurve A Delay at 19.50 x PKP	0 ms
FlexCurve A Delay at 20.00 x PKP	0 ms

SYSTEM SETUP - > FLEXCURVES - > FLEXCURVE B

FlexCurve B Delay at 1.03 x PKP	0 ms
FlexCurve B Delay at 1.05 x PKP	0 ms
FlexCurve B Delay at 1.10 x PKP	0 ms
FlexCurve B Delay at 1.20 x PKP	0 ms
FlexCurve B Delay at 1.30 x PKP	0 ms
FlexCurve B Delay at 1.40 x PKP	0 ms
FlexCurve B Delay at 1.50 x PKP	0 ms
FlexCurve B Delay at 1.60 x PKP	0 ms
FlexCurve B Delay at 1.70 x PKP	0 ms
FlexCurve B Delay at 1.80 x PKP	0 ms
FlexCurve B Delay at 1.90 x PKP	0 ms
FlexCurve B Delay at 2.00 x PKP	0 ms
FlexCurve B Delay at 2.10 x PKP	0 ms
FlexCurve B Delay at 2.20 x PKP	0 ms
FlexCurve B Delay at 2.30 x PKP	0 ms



Export Settings Report

FlexCurve B Delay at 2.40 x PKP	0 ms
FlexCurve B Delay at 2.50 x PKP	0 ms
FlexCurve B Delay at 2.60 x PKP	0 ms
FlexCurve B Delay at 2.70 x PKP	0 ms
FlexCurve B Delay at 2.80 x PKP	0 ms
FlexCurve B Delay at 2.90 x PKP	0 ms
FlexCurve B Delay at 3.00 x PKP	0 ms
FlexCurve B Delay at 3.10 x PKP	0 ms
FlexCurve B Delay at 3.20 x PKP	0 ms
FlexCurve B Delay at 3.30 x PKP	0 ms
FlexCurve B Delay at 3.40 x PKP	0 ms
FlexCurve B Delay at 3.50 x PKP	0 ms
FlexCurve B Delay at 3.60 x PKP	0 ms
FlexCurve B Delay at 3.70 x PKP	0 ms
FlexCurve B Delay at 3.80 x PKP	0 ms
FlexCurve B Delay at 3.90 x PKP	0 ms
FlexCurve B Delay at 4.00 x PKP	0 ms
FlexCurve B Delay at 4.10 x PKP	0 ms
FlexCurve B Delay at 4.20 x PKP	0 ms
FlexCurve B Delay at 4.30 x PKP	0 ms
FlexCurve B Delay at 4.40 x PKP	0 ms
FlexCurve B Delay at 4.50 x PKP	0 ms
FlexCurve B Delay at 4.60 x PKP	0 ms
FlexCurve B Delay at 4.70 x PKP	0 ms
FlexCurve B Delay at 4.80 x PKP	0 ms
FlexCurve B Delay at 4.90 x PKP	0 ms
FlexCurve B Delay at 5.00 x PKP	0 ms
FlexCurve B Delay at 5.10 x PKP	0 ms
FlexCurve B Delay at 5.20 x PKP	0 ms
FlexCurve B Delay at 5.30 x PKP	0 ms
FlexCurve B Delay at 5.40 x PKP	0 ms
FlexCurve B Delay at 5.50 x PKP	0 ms
FlexCurve B Delay at 5.60 x PKP	0 ms



Export Settings Report

FlexCurve B Delay at 5.70 x PKP	0 ms
FlexCurve B Delay at 5.80 x PKP	0 ms
FlexCurve B Delay at 5.90 x PKP	0 ms
FlexCurve B Delay at 6.00 x PKP	0 ms
FlexCurve B Delay at 6.50 x PKP	0 ms
FlexCurve B Delay at 7.00 x PKP	0 ms
FlexCurve B Delay at 7.50 x PKP	0 ms
FlexCurve B Delay at 8.00 x PKP	0 ms
FlexCurve B Delay at 8.50 x PKP	0 ms
FlexCurve B Delay at 9.00 x PKP	0 ms
FlexCurve B Delay at 9.50 x PKP	0 ms
FlexCurve B Delay at 10.00 x PKP	0 ms
FlexCurve B Delay at 10.50 x PKP	0 ms
FlexCurve B Delay at 11.00 x PKP	0 ms
FlexCurve B Delay at 11.50 x PKP	0 ms
FlexCurve B Delay at 12.00 x PKP	0 ms
FlexCurve B Delay at 12.50 x PKP	0 ms
FlexCurve B Delay at 13.00 x PKP	0 ms
FlexCurve B Delay at 13.50 x PKP	0 ms
FlexCurve B Delay at 14.00 x PKP	0 ms
FlexCurve B Delay at 14.50 x PKP	0 ms
FlexCurve B Delay at 15.00 x PKP	0 ms
FlexCurve B Delay at 15.50 x PKP	0 ms
FlexCurve B Delay at 16.00 x PKP	0 ms
FlexCurve B Delay at 16.50 x PKP	0 ms
FlexCurve B Delay at 17.00 x PKP	0 ms
FlexCurve B Delay at 17.50 x PKP	0 ms
FlexCurve B Delay at 18.00 x PKP	0 ms
FlexCurve B Delay at 18.50 x PKP	0 ms
FlexCurve B Delay at 19.00 x PKP	0 ms
FlexCurve B Delay at 19.50 x PKP	0 ms
FlexCurve B Delay at 20.00 x PKP	0 ms

SYSTEM SETUP - > FLEXCURVES - > FLEXCURVE C



Export Settings Report

FlexCurve C Delay at 1.03 x PKP	0 ms
FlexCurve C Delay at 1.05 x PKP	0 ms
FlexCurve C Delay at 1.10 x PKP	0 ms
FlexCurve C Delay at 1.20 x PKP	0 ms
FlexCurve C Delay at 1.30 x PKP	0 ms
FlexCurve C Delay at 1.40 x PKP	0 ms
FlexCurve C Delay at 1.50 x PKP	0 ms
FlexCurve C Delay at 1.60 x PKP	0 ms
FlexCurve C Delay at 1.70 x PKP	0 ms
FlexCurve C Delay at 1.80 x PKP	0 ms
FlexCurve C Delay at 1.90 x PKP	0 ms
FlexCurve C Delay at 2.00 x PKP	0 ms
FlexCurve C Delay at 2.10 x PKP	0 ms
FlexCurve C Delay at 2.20 x PKP	0 ms
FlexCurve C Delay at 2.30 x PKP	0 ms
FlexCurve C Delay at 2.40 x PKP	0 ms
FlexCurve C Delay at 2.50 x PKP	0 ms
FlexCurve C Delay at 2.60 x PKP	0 ms
FlexCurve C Delay at 2.70 x PKP	0 ms
FlexCurve C Delay at 2.80 x PKP	0 ms
FlexCurve C Delay at 2.90 x PKP	0 ms
FlexCurve C Delay at 3.00 x PKP	0 ms
FlexCurve C Delay at 3.10 x PKP	0 ms
FlexCurve C Delay at 3.20 x PKP	0 ms
FlexCurve C Delay at 3.30 x PKP	0 ms
FlexCurve C Delay at 3.40 x PKP	0 ms
FlexCurve C Delay at 3.50 x PKP	0 ms
FlexCurve C Delay at 3.60 x PKP	0 ms
FlexCurve C Delay at 3.70 x PKP	0 ms
FlexCurve C Delay at 3.80 x PKP	0 ms
FlexCurve C Delay at 3.90 x PKP	0 ms
FlexCurve C Delay at 4.00 x PKP	0 ms
FlexCurve C Delay at 4.10 x PKP	0 ms



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FlexCurve C Delay at 4.20 x PKP	0 ms
FlexCurve C Delay at 4.30 x PKP	0 ms
FlexCurve C Delay at 4.40 x PKP	0 ms
FlexCurve C Delay at 4.50 x PKP	0 ms
FlexCurve C Delay at 4.60 x PKP	0 ms
FlexCurve C Delay at 4.70 x PKP	0 ms
FlexCurve C Delay at 4.80 x PKP	0 ms
FlexCurve C Delay at 4.90 x PKP	0 ms
FlexCurve C Delay at 5.00 x PKP	0 ms
FlexCurve C Delay at 5.10 x PKP	0 ms
FlexCurve C Delay at 5.20 x PKP	0 ms
FlexCurve C Delay at 5.30 x PKP	0 ms
FlexCurve C Delay at 5.40 x PKP	0 ms
FlexCurve C Delay at 5.50 x PKP	0 ms
FlexCurve C Delay at 5.60 x PKP	0 ms
FlexCurve C Delay at 5.70 x PKP	0 ms
FlexCurve C Delay at 5.80 x PKP	0 ms
FlexCurve C Delay at 5.90 x PKP	0 ms
FlexCurve C Delay at 6.00 x PKP	0 ms
FlexCurve C Delay at 6.50 x PKP	0 ms
FlexCurve C Delay at 7.00 x PKP	0 ms
FlexCurve C Delay at 7.50 x PKP	0 ms
FlexCurve C Delay at 8.00 x PKP	0 ms
FlexCurve C Delay at 8.50 x PKP	0 ms
FlexCurve C Delay at 9.00 x PKP	0 ms
FlexCurve C Delay at 9.50 x PKP	0 ms
FlexCurve C Delay at 10.00 x PKP	0 ms
FlexCurve C Delay at 10.50 x PKP	0 ms
FlexCurve C Delay at 11.00 x PKP	0 ms
FlexCurve C Delay at 11.50 x PKP	0 ms
FlexCurve C Delay at 12.00 x PKP	0 ms
FlexCurve C Delay at 12.50 x PKP	0 ms
FlexCurve C Delay at 13.00 x PKP	0 ms



Export Settings Report

FlexCurve C Delay at 13.50 x PKP	0 ms
FlexCurve C Delay at 14.00 x PKP	0 ms
FlexCurve C Delay at 14.50 x PKP	0 ms
FlexCurve C Delay at 15.00 x PKP	0 ms
FlexCurve C Delay at 15.50 x PKP	0 ms
FlexCurve C Delay at 16.00 x PKP	0 ms
FlexCurve C Delay at 16.50 x PKP	0 ms
FlexCurve C Delay at 17.00 x PKP	0 ms
FlexCurve C Delay at 17.50 x PKP	0 ms
FlexCurve C Delay at 18.00 x PKP	0 ms
FlexCurve C Delay at 18.50 x PKP	0 ms
FlexCurve C Delay at 19.00 x PKP	0 ms
FlexCurve C Delay at 19.50 x PKP	0 ms
FlexCurve C Delay at 20.00 x PKP	0 ms

SYSTEM SETUP - > VOLTAGE INPUT - > VOLTAGE INPUT

Voltage Sensing	Enabled
Voltage Input Parameter	W2 Van
Nominal VT Secondary Voltage	120.0 V
VT Ratio	100 1

SYSTEM SETUP - > AMBIENT TEMPERATURE - > AMBIENT TEMPERATURE

Ambient Temperature Sensing	Disabled
Ambient RTD Type	100 ohm Platinum

SYSTEM SETUP - > DEMAND METERING - > DEMAND METERING

Current Demand Meter Type	Thermal
Thermal 90% Response Time	15 min

LOGIC INPUT - > LOGIC INPUTS. - > LOGIC INPUTS.

Logic Input 1 Function	Enabled
Logic Input 1 Name	100C OIL TEMP TRIP
Logic Input 1 Asserted State	Closed
Logic Input 2 Function	Enabled



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Logic Input 2 Name	125C WDG TEMP TRIP
Logic Input 2 Asserted State	Closed
Logic Input 3 Function	Enabled
Logic Input 3 Name	CS SF6 LOW PRESS
Logic Input 3 Asserted State	Closed
Logic Input 4 Function	Enabled
Logic Input 4 Name	CS SF6 LOCKOUT
Logic Input 4 Asserted State	Closed
Logic Input 5 Function	Enabled
Logic Input 5 Name	105C WDG TEMP
Logic Input 5 Asserted State	Closed
Logic Input 6 Function	Enabled
Logic Input 6 Name	90C OIL TEMP
Logic Input 6 Asserted State	Closed
Logic Input 7 Function	Enabled
Logic Input 7 Name	CS 52B - OPEN
Logic Input 7 Asserted State	Closed
Logic Input 8 Function	Disabled
Logic Input 8 Name	
Logic Input 8 Asserted State	Closed
Logic Input 9 Function	Enabled
Logic Input 9 Name	FAULT PRESS ALARM
Logic Input 9 Asserted State	Closed
Logic Input 10 Function	Enabled
Logic Input 10 Name	FAULT PRESS TRIP
Logic Input 10 Asserted State	Closed
Logic Input 11 Function	Enabled
Logic Input 11 Name	OVER PRESS ALARM
Logic Input 11 Asserted State	Closed
Logic Input 12 Function	Enabled
Logic Input 12 Name	LOW OIL LEVEL ALRM
Logic Input 12 Asserted State	Closed
Logic Input 13 Function	Enabled



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Logic Input 13 Name	N2 CYL EMPTY
Logic Input 13 Asserted State	Closed
Logic Input 14 Function	Enabled
Logic Input 14 Name	N2 PRESS HIGH
Logic Input 14 Asserted State	Closed
Logic Input 15 Function	Enabled
Logic Input 15 Name	N2 PRESS LOW
Logic Input 15 Asserted State	Closed
Logic Input 16 Function	Enabled
Logic Input 16 Name	85C WDG TEMP ALARM
Logic Input 16 Asserted State	Closed

LOGIC INPUT - > VIRTUAL INPUTS. - > VIRTUAL INPUTS.

Virtual Input 1 Function	Disabled
Virtual Input 1 Name	Virtual Input 1
Virtual Input 1	Not Asserted
Virtual Input 2 Function	Disabled
Virtual Input 2 Name	Virtual Input 2
Virtual Input 2	Not Asserted
Virtual Input 3 Function	Disabled
Virtual Input 3 Name	Virtual Input 3
Virtual Input 3	Not Asserted
Virtual Input 4 Function	Disabled
Virtual Input 4 Name	Virtual Input 4
Virtual Input 4	Not Asserted
Virtual Input 5 Function	Disabled
Virtual Input 5 Name	Virtual Input 5
Virtual Input 5	Not Asserted
Virtual Input 6 Function	Disabled
Virtual Input 6 Name	Virtual Input 6
Virtual Input 6	Not Asserted
Virtual Input 7 Function	Disabled
Virtual Input 7 Name	Virtual Input 7



Export Settings Report

Virtual Input 7	Not Asserted
Virtual Input 8 Function	Disabled
Virtual Input 8 Name	Virtual Input 8
Virtual Input 8	Not Asserted
Virtual Input 9 Function	Disabled
Virtual Input 9 Name	Virtual Input 9
Virtual Input 9	Not Asserted
Virtual Input 10 Function	Disabled
Virtual Input 10 Name	Virtual Input 10
Virtual Input 10	Not Asserted
Virtual Input 11 Function	Disabled
Virtual Input 11 Name	Virtual Input 11
Virtual Input 11	Not Asserted
Virtual Input 12 Function	Disabled
Virtual Input 12 Name	Virtual Input 12
Virtual Input 12	Not Asserted
Virtual Input 13 Function	Disabled
Virtual Input 13 Name	Virtual Input 13
Virtual Input 13	Not Asserted
Virtual Input 14 Function	Disabled
Virtual Input 14 Name	Virtual Input 14
Virtual Input 14	Not Asserted
Virtual Input 15 Function	Disabled
Virtual Input 15 Name	Virtual Input 15
Virtual Input 15	Not Asserted
Virtual Input 16 Function	Disabled
Virtual Input 16 Name	Virtual Input 16
Virtual Input 16	Not Asserted

ELEMENTS - > SETPOINT GROUP. - > SETPOINT GROUP.

Active Setpoint Group	Group 1
Edit Setpoint Group	Group 1
Setpoint Group 2 Activate Signal	Disabled



Export Settings Report

Setpoint Group 3 Activate Signal	Disabled
Setpoint Group 4 Activate Signal	Disabled

OUTPUTS - > OUTPUT RELAYS - > RELAY 1

Output 1 Name	Solid State Trip
Output 1 Operation	Self-resetting
Output 1 Type	Trip
Output 1 FlexLogic 1	END
Output 1 FlexLogic 2	END
Output 1 FlexLogic 3	END
Output 1 FlexLogic 4	END
Output 1 FlexLogic 5	END
Output 1 FlexLogic 6	END
Output 1 FlexLogic 7	END
Output 1 FlexLogic 8	END
Output 1 FlexLogic 9	END
Output 1 FlexLogic 10	END
Output 1 FlexLogic 11	END
Output 1 FlexLogic 12	END
Output 1 FlexLogic 13	END
Output 1 FlexLogic 14	END
Output 1 FlexLogic 15	END
Output 1 FlexLogic 16	END
Output 1 FlexLogic 17	END
Output 1 FlexLogic 18	END
Output 1 FlexLogic 19	END
Output 1 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 2

Output 2 Name	Cir Switcher Trip
Output 2 Operation	Latched
Output 2 Type	Trip
Output 2 FlexLogic 1	Logic Input 1



Export Settings Report

Output 2 FlexLogic 2	Logic Input 2
Output 2 FlexLogic 3	Logic Input 10
Output 2 FlexLogic 4	Percent Differential Operate
Output 2 FlexLogic 5	Inst Differential Operate
Output 2 FlexLogic 6	Any W1 OC Operate
Output 2 FlexLogic 7	Any W2 OC Operate
Output 2 FlexLogic 8	W2 Ground Time OC Operate
Output 2 FlexLogic 9	OR (8 inputs)
Output 2 FlexLogic 10	END
Output 2 FlexLogic 11	END
Output 2 FlexLogic 12	END
Output 2 FlexLogic 13	END
Output 2 FlexLogic 14	END
Output 2 FlexLogic 15	END
Output 2 FlexLogic 16	END
Output 2 FlexLogic 17	END
Output 2 FlexLogic 18	END
Output 2 FlexLogic 19	END
Output 2 FlexLogic 20	END

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OUTPUTS - > OUTPUT RELAYS - > RELAY 3

Output 3 Name	Trip 2
Output 3 Operation	Self-resetting
Output 3 Type	Trip
Output 3 FlexLogic 1	END
Output 3 FlexLogic 2	END
Output 3 FlexLogic 3	END
Output 3 FlexLogic 4	END
Output 3 FlexLogic 5	END
Output 3 FlexLogic 6	END
Output 3 FlexLogic 7	END
Output 3 FlexLogic 8	END
Output 3 FlexLogic 9	END



GE Multilin

745 *EnerVista*
SETUP



Export Settings Report

Output 3 FlexLogic 10	END
Output 3 FlexLogic 11	END
Output 3 FlexLogic 12	END
Output 3 FlexLogic 13	END
Output 3 FlexLogic 14	END
Output 3 FlexLogic 15	END
Output 3 FlexLogic 16	END
Output 3 FlexLogic 17	END
Output 3 FlexLogic 18	END
Output 3 FlexLogic 19	END
Output 3 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 4

Output 4 Name	Volts/Hertz Trip
Output 4 Operation	Self-resetting
Output 4 Type	Trip
Output 4 FlexLogic 1	END
Output 4 FlexLogic 2	END
Output 4 FlexLogic 3	END
Output 4 FlexLogic 4	END
Output 4 FlexLogic 5	END
Output 4 FlexLogic 6	END
Output 4 FlexLogic 7	END
Output 4 FlexLogic 8	END
Output 4 FlexLogic 9	END
Output 4 FlexLogic 10	END
Output 4 FlexLogic 11	END
Output 4 FlexLogic 12	END
Output 4 FlexLogic 13	END
Output 4 FlexLogic 14	END
Output 4 FlexLogic 15	END
Output 4 FlexLogic 16	END
Output 4 FlexLogic 17	END



Export Settings Report

Output 4 FlexLogic 18	END
Output 4 FlexLogic 19	END
Output 4 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 5

Output 5 Name	Overflux Alarm
Output 5 Operation	Self-resetting
Output 5 Type	Alarm
Output 5 FlexLogic 1	END
Output 5 FlexLogic 2	END
Output 5 FlexLogic 3	END
Output 5 FlexLogic 4	END
Output 5 FlexLogic 5	END
Output 5 FlexLogic 6	END
Output 5 FlexLogic 7	END
Output 5 FlexLogic 8	END
Output 5 FlexLogic 9	END
Output 5 FlexLogic 10	END
Output 5 FlexLogic 11	END
Output 5 FlexLogic 12	END
Output 5 FlexLogic 13	END
Output 5 FlexLogic 14	END
Output 5 FlexLogic 15	END
Output 5 FlexLogic 16	END
Output 5 FlexLogic 17	END
Output 5 FlexLogic 18	END
Output 5 FlexLogic 19	END
Output 5 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 6

Output 6 Name	Frequency Trip 1
Output 6 Operation	Self-resetting
Output 6 Type	Trip



Export Settings Report

Output 6 FlexLogic 1	END
Output 6 FlexLogic 2	END
Output 6 FlexLogic 3	END
Output 6 FlexLogic 4	END
Output 6 FlexLogic 5	END
Output 6 FlexLogic 6	END
Output 6 FlexLogic 7	END
Output 6 FlexLogic 8	END
Output 6 FlexLogic 9	END
Output 6 FlexLogic 10	END
Output 6 FlexLogic 11	END
Output 6 FlexLogic 12	END
Output 6 FlexLogic 13	END
Output 6 FlexLogic 14	END
Output 6 FlexLogic 15	END
Output 6 FlexLogic 16	END
Output 6 FlexLogic 17	END
Output 6 FlexLogic 18	END
Output 6 FlexLogic 19	END
Output 6 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 7

Output 7 Name	Frequency Trip 2
Output 7 Operation	Self-resetting
Output 7 Type	Trip
Output 7 FlexLogic 1	END
Output 7 FlexLogic 2	END
Output 7 FlexLogic 3	END
Output 7 FlexLogic 4	END
Output 7 FlexLogic 5	END
Output 7 FlexLogic 6	END
Output 7 FlexLogic 7	END
Output 7 FlexLogic 8	END



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Output 7 FlexLogic 9	END
Output 7 FlexLogic 10	END
Output 7 FlexLogic 11	END
Output 7 FlexLogic 12	END
Output 7 FlexLogic 13	END
Output 7 FlexLogic 14	END
Output 7 FlexLogic 15	END
Output 7 FlexLogic 16	END
Output 7 FlexLogic 17	END
Output 7 FlexLogic 18	END
Output 7 FlexLogic 19	END
Output 7 FlexLogic 20	END

OUTPUTS - > OUTPUT RELAYS - > RELAY 8

Output 8 Name	Frequency Trip 3
Output 8 Operation	Self-resetting
Output 8 Type	Trip
Output 8 FlexLogic 1	END
Output 8 FlexLogic 2	END
Output 8 FlexLogic 3	END
Output 8 FlexLogic 4	END
Output 8 FlexLogic 5	END
Output 8 FlexLogic 6	END
Output 8 FlexLogic 7	END
Output 8 FlexLogic 8	END
Output 8 FlexLogic 9	END
Output 8 FlexLogic 10	END
Output 8 FlexLogic 11	END
Output 8 FlexLogic 12	END
Output 8 FlexLogic 13	END
Output 8 FlexLogic 14	END
Output 8 FlexLogic 15	END
Output 8 FlexLogic 16	END



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Output 8 FlexLogic 17	END
Output 8 FlexLogic 18	END
Output 8 FlexLogic 19	END
Output 8 FlexLogic 20	END

OUTPUTS - > TRACE MEMORY - > TRACE MEMORY

Number of Pre-Trigger Cycles	12 cycles
Trace Memory Trigger FlexLogic 1	END
Trace Memory Trigger FlexLogic 2	END
Trace Memory Trigger FlexLogic 3	END
Trace Memory Trigger FlexLogic 4	END
Trace Memory Trigger FlexLogic 5	END
Trace Memory Trigger FlexLogic 6	END
Trace Memory Trigger FlexLogic 7	END
Trace Memory Trigger FlexLogic 8	END
Trace Memory Trigger FlexLogic 9	END
Trace Memory Trigger FlexLogic 10	END

OUTPUTS - > VIRTUAL OUTPUTS - > VIRTUAL OUTPUT 1

Virtual Output 1 FlexLogic 1	END
Virtual Output 1 FlexLogic 2	END
Virtual Output 1 FlexLogic 3	END
Virtual Output 1 FlexLogic 4	END
Virtual Output 1 FlexLogic 5	END
Virtual Output 1 FlexLogic 6	END
Virtual Output 1 FlexLogic 7	END
Virtual Output 1 FlexLogic 8	END
Virtual Output 1 FlexLogic 9	END
Virtual Output 1 FlexLogic 10	END

OUTPUTS - > VIRTUAL OUTPUTS - > VIRTUAL OUTPUT 2

Virtual Output 2 FlexLogic 1	END
Virtual Output 2 FlexLogic 2	END



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Virtual Output 2 FlexLogic 3	END
Virtual Output 2 FlexLogic 4	END
Virtual Output 2 FlexLogic 5	END
Virtual Output 2 FlexLogic 6	END
Virtual Output 2 FlexLogic 7	END
Virtual Output 2 FlexLogic 8	END
Virtual Output 2 FlexLogic 9	END
Virtual Output 2 FlexLogic 10	END

OUTPUTS - > VIRTUAL OUTPUTS - > VIRTUAL OUTPUT 3

Virtual Output 3 FlexLogic 1	END
Virtual Output 3 FlexLogic 2	END
Virtual Output 3 FlexLogic 3	END
Virtual Output 3 FlexLogic 4	END
Virtual Output 3 FlexLogic 5	END
Virtual Output 3 FlexLogic 6	END
Virtual Output 3 FlexLogic 7	END
Virtual Output 3 FlexLogic 8	END
Virtual Output 3 FlexLogic 9	END
Virtual Output 3 FlexLogic 10	END

OUTPUTS - > VIRTUAL OUTPUTS - > VIRTUAL OUTPUT 4

Virtual Output 4 FlexLogic 1	END
Virtual Output 4 FlexLogic 2	END
Virtual Output 4 FlexLogic 3	END
Virtual Output 4 FlexLogic 4	END
Virtual Output 4 FlexLogic 5	END
Virtual Output 4 FlexLogic 6	END
Virtual Output 4 FlexLogic 7	END
Virtual Output 4 FlexLogic 8	END
Virtual Output 4 FlexLogic 9	END
Virtual Output 4 FlexLogic 10	END

OUTPUTS - > VIRTUAL OUTPUTS - > VIRTUAL OUTPUT 5



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Virtual Output 5 FlexLogic 1	END
Virtual Output 5 FlexLogic 2	END
Virtual Output 5 FlexLogic 3	END
Virtual Output 5 FlexLogic 4	END
Virtual Output 5 FlexLogic 5	END
Virtual Output 5 FlexLogic 6	END
Virtual Output 5 FlexLogic 7	END
Virtual Output 5 FlexLogic 8	END
Virtual Output 5 FlexLogic 9	END
Virtual Output 5 FlexLogic 10	END

OUTPUTS - > TIMERS - > TIMER 1

Timer 1 Start	END
Timer 1 Pickup Delay	0.00 s
Timer 1 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 2

Timer 2 Start	END
Timer 2 Pickup Delay	0.00 s
Timer 2 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 3

Timer 3 Start	END
Timer 3 Pickup Delay	0.00 s
Timer 3 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 4

Timer 4 Start	END
Timer 4 Pickup Delay	0.00 s
Timer 4 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 5

Timer 5 Start	END
Timer 5 Pickup Delay	0.00 s



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Timer 5 Dropout Delay	0.00 s
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OUTPUTS - > TIMERS - > TIMER 6

Timer 6 Start	END
Timer 6 Pickup Delay	0.00 s
Timer 6 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 7

Timer 7 Start	END
Timer 7 Pickup Delay	0.00 s
Timer 7 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 8

Timer 8 Start	END
Timer 8 Pickup Delay	0.00 s
Timer 8 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 9

Timer 9 Start	END
Timer 9 Pickup Delay	0.00 s
Timer 9 Dropout Delay	0.00 s

OUTPUTS - > TIMERS - > TIMER 10

Timer 10 Start	END
Timer 10 Pickup Delay	0.00 s
Timer 10 Dropout Delay	0.00 s

[GROUP 1] - ELEMENTS - > DIFFERENTIAL - > PERCENT DIFFERENTIAL [GROUP 1]

Percent Differential Function	Enabled
Percent Differential Target	Latched
Percent Differential Pickup	0.25 x CT
Percent Differential Slope 1	25 %
Percent Differential Break Point	1.5 x CT
Percent Differential Slope 2	95 %



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Percent Differential Block	Disabled
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[GROUP 1] - ELEMENTS - > DIFFERENTIAL - > HARMONIC INHIBIT [GROUP 1]

Harmonic Inhibit Function	Enabled
Harmonic Inhibit Parameters	2nd
Harmonic Averaging	Disabled
Harmonic Inhibit Level	20.0 % fo

[GROUP 1] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION INHIBIT [GROUP 1]

Energization Inhibit Function	Enabled
Energization Inhibit Parameters	2nd
Harmonic Averaging (energization inhibit)	Disabled
Energization Inhibit Level	20.0 % fo
Energization Inhibit Duration	0.10 s

[GROUP 1] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION SENSING [GROUP 1]

Energization Sensing By Current	Disabled
Minimum Energization Current	0.10 x CT
Energization Sensing By Voltage	Enabled
Minimum Energization Voltage	0.50 VT
Breakers Are Open Signal	Logic Input 7
Parallel Transformer Breaker Close Signal	Disabled

[GROUP 1] - ELEMENTS - > DIFFERENTIAL - > 5TH HARMONIC INHIBIT [GROUP 1]

5th Harmonic Inhibit Function	Disabled
Harmonic Averaging (5th Harmonic)	Disabled
5th Harmonic Inhibit Level	10.0 % fo

[GROUP 1] - ELEMENTS - > INSTANTANEOUS DIFFERENTIAL [GROUP 1] - > INSTANTANEOUS DIFFERENTIAL [GROUP 1]

Inst Differential Function	Enabled
Inst Differential Target	Latched
Inst Differential Pickup	8.00 x CT
Inst Differential Block	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE TIME OC [GROUP 1]



Export Settings Report

W1 Phase TOC Function	Enabled
W1 Phase TOC Target	Latched
W1 Phase TOC Pickup	1.20 x CT
W1 Phase TOC Shape	Ext Inverse
W1 Phase TOC Multiplier	1.00
W1 Phase TOC Reset	Instantaneous
W1 Phase TOC Block	Disabled
W1 Harmonic Derating Correction	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE TIME OC [GROUP 1]

W2 Phase TOC Function	Enabled
W2 Phase TOC Target	Latched
W2 Phase TOC Pickup	0.95 x CT
W2 Phase TOC Shape	Ext Inverse
W2 Phase TOC Multiplier	1.00
W2 Phase TOC Reset	Instantaneous
W2 Phase TOC Block	Disabled
W2 Harmonic Derating Correction	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 1 [GROUP 1]

W1 Phase IOC1 Function	Enabled
W1 Phase IOC1 Target	Latched
W1 Phase IOC1 Pickup	10.00 x CT
W1 Phase IOC1 Delay	0 ms
W1 Phase IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 1 [GROUP 1]

W2 Phase IOC1 Function	Enabled
W2 Phase IOC1 Target	Latched
W2 Phase IOC1 Pickup	3.00 x CT
W2 Phase IOC1 Delay	0 ms
W2 Phase IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 2 [GROUP 1]



Export Settings Report

W1 Phase IOC2 Function	Enabled
W1 Phase IOC2 Target	Latched
W1 Phase IOC2 Pickup	10.00 x CT
W1 Phase IOC2 Delay	0 ms
W1 Phase IOC2 Block	Disabled

[GROUP 1] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 2 [GROUP 1]

W2 Phase IOC2 Function	Enabled
W2 Phase IOC2 Target	Latched
W2 Phase IOC2 Pickup	3.00 x CT
W2 Phase IOC2 Delay	0 ms
W2 Phase IOC2 Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL TIME OC [GROUP 1]

W1 Neutral TOC Function	Disabled
W1 Neutral TOC Target	Latched
W1 Neutral TOC Pickup	0.85 x CT
W1 Neutral TOC Shape	Ext Inverse
W1 Neutral TOC Multiplier	1.00
W1 Neutral TOC Reset	Linear
W1 Neutral TOC Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL TIME OC [GROUP 1]

W2 Neutral TOC Function	Enabled
W2 Neutral TOC Target	Latched
W2 Neutral TOC Pickup	0.85 x CT
W2 Neutral TOC Shape	Ext Inverse
W2 Neutral TOC Multiplier	1.00
W2 Neutral TOC Reset	Linear
W2 Neutral TOC Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 1 [GROUP 1]

W1 Neutral O/C 1 Function	Disabled
W1 Neutral IOC1 Target	Latched



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W1 Neutral IOC1 Pickup	10.00 x CT
W1 Neutral IOC1 Delay	0 ms
W1 Neutral IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 1 [GROUP 1]

W2 Neutral O/C 1 Function	Disabled
W2 Neutral IOC1 Target	Latched
W2 Neutral IOC1 Pickup	10.00 x CT
W2 Neutral IOC1 Delay	0 ms
W2 Neutral IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 2 [GROUP 1]

W1 Neutral O/C 2 Function	Disabled
W1 Neutral IOC2 Target	Latched
W1 Neutral IOC2 Pickup	10.00 x CT
W1 Neutral IOC2 Delay	0 ms
W1 Neutral IOC2 Block	Disabled

[GROUP 1] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 2 [GROUP 1]

W2 Neutral O/C 2 Function	Disabled
W2 Neutral IOC2 Target	Latched
W2 Neutral IOC2 Pickup	10.00 x CT
W2 Neutral IOC2 Delay	0 ms
W2 Neutral IOC2 Block	Disabled

[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND TIME OC [GROUP 1]

W1 Ground TOC Function	Enabled	SHOULD DISABLE?
W1 Ground TOC Target	Latched	
W1 Ground TOC Pickup	0.85 x CT	
W1 Ground TOC Shape	Ext Inverse	
W1 Ground TOC Multiplier	1.00	
W1 Ground TOC Reset	Linear	
W1 Ground TOC Block	Disabled	



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[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND TIME OC [GROUP 1]

W2 Ground TOC Function	Enabled
W2 Ground TOC Target	Latched
W2 Ground TOC Pickup	0.85 x CT
W2 Ground TOC Shape	Ext Inverse
W2 Ground TOC Multiplier	1.00
W2 Ground TOC Reset	Linear
W2 Ground TOC Block	Disabled

[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 1 [GROUP 1]

W1 Ground IOC1 Function	Disabled
W1 Ground IOC1 Target	Latched
W1 Ground IOC1 Pickup	10.00 x CT
W1 Ground IOC1 Delay	0 ms
W1 Ground IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 1 [GROUP 1]

W2 Ground IOC1 Function	Disabled
W2 Ground IOC1 Target	Latched
W2 Ground IOC1 Pickup	1.50 x CT
W2 Ground IOC1 Delay	0 ms
W2 Ground IOC1 Block	Disabled

[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 2 [GROUP 1]

W1 Ground IOC2 Function	Disabled
W1 Ground IOC2 Target	Latched
W1 Ground IOC2 Pickup	10.00 x CT
W1 Ground IOC2 Delay	0 ms
W1 Ground IOC2 Block	Disabled

[GROUP 1] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 2 [GROUP 1]

W2 Ground IOC2 Function	Disabled
W2 Ground IOC2 Target	Latched
W2 Ground IOC2 Pickup	10.00 x CT
W2 Ground IOC2 Delay	0 ms



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W2 Ground IOC2 Block	Disabled
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[GROUP 1] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W1 NEG SEQ TIME OC [GRO

W1 Neg Seq TOC Function	Disabled
W1 Neg Seq TOC Target	Latched
W1 Neg Seq TOC Pickup	0.25 x CT
W1 Neg Seq TOC Shape	Ext Inverse
W1 Neg Seq TOC Multiplier	1.00
W1 Neg Seq TOC Reset	Linear
W1 Neg Seq TOC Block	Disabled

[GROUP 1] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W2 NEG SEQ TIME OC [GRO

W2 Neg Seq TOC Function	Disabled
W2 Neg Seq TOC Target	Latched
W2 Neg Seq TOC Pickup	0.25 x CT
W2 Neg Seq TOC Shape	Ext Inverse
W2 Neg Seq TOC Multiplier	1.00
W2 Neg Seq TOC Reset	Linear
W2 Neg Seq TOC Block	Disabled

[GROUP 1] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W1 NEG SEQ INST OC [GRO

W1 Neg Seq IOC Function	Disabled
W1 Neg Seq IOC Target	Latched
W1 Neg Seq IOC Pickup	10.00 x CT
W1 Neg Seq IOC Delay	0 ms
W1 Neg Seq IOC Block	Disabled

[GROUP 1] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W2 NEG SEQ INST OC [GRO

W2 Neg Seq IOC Function	Disabled
W2 Neg Seq IOC Target	Latched
W2 Neg Seq IOC Pickup	10.00 x CT
W2 Neg Seq IOC Delay	0 ms
W2 Neg Seq IOC Block	Disabled

[GROUP 1] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 1 [GROUP 1]



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Underfrequency 1 Function	Disabled
Underfrequency 1 Target	Self-reset
Underfrequency 1 Minimum Operating Current	0.20 x CT
Underfrequency 1 Pickup	59.00 Hz
Underfrequency 1 Delay	1.00 s
Underfrequency 1 Block	Disabled

[GROUP 1] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 2 [GROUP 1]

Underfrequency 2 Function	Disabled
Underfrequency 2 Target	Self-reset
Underfrequency 2 Minimum Operating Current	0.20 x CT
Underfrequency 2 Pickup	58.80 Hz
Underfrequency 2 Delay	1.00 s
Underfrequency 2 Block	Disabled

[GROUP 1] - ELEMENTS - > FREQUENCY - > FREQUENCY DECAY [GROUP 1]

Frequency Decay Function	Disabled
Frequency Decay Target	Latched
Frequency Decay Minimum Operating Current	0.20 x CT
Frequency Decay Threshold	59.50 Hz
Frequency Decay Rate 1	0.4 Hz/s
Frequency Decay Rate 2	1.0 Hz/s
Frequency Decay Rate 3	2.0 Hz/s
Frequency Decay Rate 4	4.0 Hz/s
Frequency Decay Block	Disabled

[GROUP 1] - ELEMENTS - > FREQUENCY - > OVERFREQUENCY [GROUP 1]

Overfrequency Function	Disabled
Overfrequency Target	Latched
Overfrequency Minimum Operating Current	0.20 x CT
Overfrequency Pickup	60.50 Hz
Overfrequency Delay	5.00 s
Overfrequency Block	Disabled



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[GROUP 1] - ELEMENTS - > OVEREXCITATION - > 5TH HARMONIC LEVEL [GROUP 1]

5th Harmonic Level Function	Disabled
5th Harmonic Level Target	Self-reset
5th Harmonic Level Minimum Operating Current	0.10 x CT
5th Harmonic Level Delay	10 s
5th Harmonic Level Block	Disabled

[GROUP 1] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 1 [GROUP 1]

Volts-Per-Hertz 1 Function	Disabled
Volts-Per-Hertz 1 Target	Self-reset
Volts-Per-Hertz 1 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 1 Pickup	2.36 V/Hz
Volts-Per-Hertz 1 Shape	Definite Time
Volts-Per-Hertz 1 Delay	2.00 s
Volts-Per-Hertz 1 Reset	0.0 s
Volts-Per-Hertz 1 Block	Disabled

[GROUP 1] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 2 [GROUP 1]

Volts-Per-Hertz 2 Function	Disabled
Volts-Per-Hertz 2 Target	Latched
Volts-Per-Hertz 2 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 2 Pickup	2.14 V/Hz
Volts-Per-Hertz 2 Shape	Definite Time
Volts-Per-Hertz 2 Delay	45.00 s
Volts-Per-Hertz 2 Reset	0.0 s
Volts-Per-Hertz 2 Block	Disabled

[GROUP 1] - ELEMENTS - > HARMONICS - > WINDING 1 THD LEVEL [GROUP 1]

W1 THD Level Function	Disabled
W1 THD Level Target	Self-reset
W1 THD Level Minimum Operating Current	0.10 x CT
W1 THD Level Pickup	50.0 % fo
W1 THD Level Delay	10 s



Export Settings Report

W1 THD Level Block	Disabled
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[GROUP 1] - ELEMENTS - > HARMONICS - > WINDING 2 THD LEVEL [GROUP 1]

W2 THD Level Function	Disabled
W2 THD Level Target	Self-reset
W2 THD Level Minimum Operating Current	0.10 x CT
W2 THD Level Pickup	50.0 % fo
W2 THD Level Delay	10 s
W2 THD Level Block	Disabled

[GROUP 1] - ELEMENTS - > CURRENT DEMAND - > W1 CURRENT DEMAND [GROUP 1]

W1 Current Demand Function	Disabled
W1 Current Demand Target	Self-reset
W1 Current Demand Pickup	100 A
W1 Current Demand Block	Disabled

[GROUP 1] - ELEMENTS - > CURRENT DEMAND - > W2 CURRENT DEMAND [GROUP 1]

W2 Current Demand Function	Disabled
W2 Current Demand Target	Self-reset
W2 Current Demand Pickup	400 A
W2 Current Demand Block	Disabled

[GROUP 1] - ELEMENTS - > TRANSFORMER OVERLOAD - > TRANSFORMER OVERLOAD [GROUP 1]

Transformer Overload Function	Enabled
Transformer Overload Target	Self-reset
Transformer Overload Pickup	150 % rated
Transformer Overload Delay	5 s
Transformer Overload Block	Disabled
Transformer Overtemperature Alarm Signal	Logic Input 5

[GROUP 2] - ELEMENTS - > DIFFERENTIAL - > PERCENT DIFFERENTIAL [GROUP 2]

Percent Differential Function	Enabled
Percent Differential Target	Latched
Percent Differential Pickup	0.30 x CT



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Percent Differential Slope 1	25 %
Percent Differential Break Point	2.0 x CT
Percent Differential Slope 2	100 %
Percent Differential Block	Disabled

[GROUP 2] - ELEMENTS - > DIFFERENTIAL - > HARMONIC INHIBIT [GROUP 2]

Harmonic Inhibit Function	Enabled
Harmonic Inhibit Parameters	2nd
Harmonic Averaging	Disabled
Harmonic Inhibit Level	20.0 % fo

[GROUP 2] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION INHIBIT [GROUP 2]

Energization Inhibit Function	Enabled
Energization Inhibit Parameters	2nd
Harmonic Averaging (energization inhibit)	Enabled
Energization Inhibit Level	20.0 % fo
Energization Inhibit Duration	0.10 s

[GROUP 2] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION SENSING [GROUP 2]

Energization Sensing By Current	Enabled
Minimum Energization Current	0.10 x CT
Energization Sensing By Voltage	Disabled
Minimum Energization Voltage	0.85 VT
Breakers Are Open Signal	Disabled
Parallel Transformer Breaker Close Signal	Disabled

[GROUP 2] - ELEMENTS - > DIFFERENTIAL - > 5TH HARMONIC INHIBIT [GROUP 2]

5th Harmonic Inhibit Function	Disabled
Harmonic Averaging (5th Harmonic)	Disabled
5th Harmonic Inhibit Level	10.0 % fo

[GROUP 2] - ELEMENTS - > INSTANTANEOUS DIFFERENTIAL [GROUP 2] - > INSTANTANEOUS DIFFERENTIAL

Inst Differential Function	Enabled
Inst Differential Target	Latched



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Inst Differential Pickup	8.00 x CT
Inst Differential Block	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE TIME OC [GROUP 2]

W1 Phase TOC Function	Enabled
W1 Phase TOC Target	Latched
W1 Phase TOC Pickup	1.20 x CT
W1 Phase TOC Shape	Ext Inverse
W1 Phase TOC Multiplier	1.00
W1 Phase TOC Reset	Linear
W1 Phase TOC Block	Disabled
W1 Harmonic Derating Correction	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE TIME OC [GROUP 2]

W2 Phase TOC Function	Enabled
W2 Phase TOC Target	Latched
W2 Phase TOC Pickup	1.20 x CT
W2 Phase TOC Shape	Ext Inverse
W2 Phase TOC Multiplier	1.00
W2 Phase TOC Reset	Linear
W2 Phase TOC Block	Disabled
W2 Harmonic Derating Correction	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 1 [GROUP 2]

W1 Phase IOC1 Function	Enabled
W1 Phase IOC1 Target	Latched
W1 Phase IOC1 Pickup	10.00 x CT
W1 Phase IOC1 Delay	0 ms
W1 Phase IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 1 [GROUP 2]

W2 Phase IOC1 Function	Enabled
W2 Phase IOC1 Target	Latched
W2 Phase IOC1 Pickup	10.00 x CT



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W2 Phase IOC1 Delay	0 ms
W2 Phase IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 2 [GROUP 2]

W1 Phase IOC2 Function	Enabled
W1 Phase IOC2 Target	Latched
W1 Phase IOC2 Pickup	10.00 x CT
W1 Phase IOC2 Delay	0 ms
W1 Phase IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 2 [GROUP 2]

W2 Phase IOC2 Function	Enabled
W2 Phase IOC2 Target	Latched
W2 Phase IOC2 Pickup	10.00 x CT
W2 Phase IOC2 Delay	0 ms
W2 Phase IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL TIME OC [GROUP 2]

W1 Neutral TOC Function	Enabled
W1 Neutral TOC Target	Latched
W1 Neutral TOC Pickup	0.85 x CT
W1 Neutral TOC Shape	Ext Inverse
W1 Neutral TOC Multiplier	1.00
W1 Neutral TOC Reset	Linear
W1 Neutral TOC Block	Disabled

[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL TIME OC [GROUP 2]

W2 Neutral TOC Function	Disabled
W2 Neutral TOC Target	Latched
W2 Neutral TOC Pickup	0.85 x CT
W2 Neutral TOC Shape	Ext Inverse
W2 Neutral TOC Multiplier	1.00
W2 Neutral TOC Reset	Linear
W2 Neutral TOC Block	Disabled



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[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 1 [GROUP 2]

W1 Neutral O/C 1 Function	Enabled
W1 Neutral IOC1 Target	Latched
W1 Neutral IOC1 Pickup	10.00 x CT
W1 Neutral IOC1 Delay	0 ms
W1 Neutral IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 1 [GROUP 2]

W2 Neutral O/C 1 Function	Disabled
W2 Neutral IOC1 Target	Latched
W2 Neutral IOC1 Pickup	10.00 x CT
W2 Neutral IOC1 Delay	0 ms
W2 Neutral IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 2 [GROUP 2]

W1 Neutral O/C 2 Function	Disabled
W1 Neutral IOC2 Target	Latched
W1 Neutral IOC2 Pickup	10.00 x CT
W1 Neutral IOC2 Delay	0 ms
W1 Neutral IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 2 [GROUP 2]

W2 Neutral O/C 2 Function	Disabled
W2 Neutral IOC2 Target	Latched
W2 Neutral IOC2 Pickup	10.00 x CT
W2 Neutral IOC2 Delay	0 ms
W2 Neutral IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND TIME OC [GROUP 2]

W1 Ground TOC Function	Enabled
W1 Ground TOC Target	Latched
W1 Ground TOC Pickup	0.85 x CT
W1 Ground TOC Shape	Ext Inverse



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W1 Ground TOC Multiplier	1.00
W1 Ground TOC Reset	Linear
W1 Ground TOC Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND TIME OC [GROUP 2]

W2 Ground TOC Function	Disabled
W2 Ground TOC Target	Latched
W2 Ground TOC Pickup	0.85 x CT
W2 Ground TOC Shape	Ext Inverse
W2 Ground TOC Multiplier	1.00
W2 Ground TOC Reset	Linear
W2 Ground TOC Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 1 [GROUP 2]

W1 Ground IOC1 Function	Disabled
W1 Ground IOC1 Target	Latched
W1 Ground IOC1 Pickup	10.00 x CT
W1 Ground IOC1 Delay	0 ms
W1 Ground IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 1 [GROUP 2]

W2 Ground IOC1 Function	Disabled
W2 Ground IOC1 Target	Latched
W2 Ground IOC1 Pickup	10.00 x CT
W2 Ground IOC1 Delay	0 ms
W2 Ground IOC1 Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 2 [GROUP 2]

W1 Ground IOC2 Function	Disabled
W1 Ground IOC2 Target	Latched
W1 Ground IOC2 Pickup	10.00 x CT
W1 Ground IOC2 Delay	0 ms
W1 Ground IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 2 [GROUP 2]



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W2 Ground IOC2 Function	Disabled
W2 Ground IOC2 Target	Latched
W2 Ground IOC2 Pickup	10.00 x CT
W2 Ground IOC2 Delay	0 ms
W2 Ground IOC2 Block	Disabled

[GROUP 2] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W1 NEG SEQ TIME OC [GRO

W1 Neg Seq TOC Function	Disabled
W1 Neg Seq TOC Target	Latched
W1 Neg Seq TOC Pickup	0.25 x CT
W1 Neg Seq TOC Shape	Ext Inverse
W1 Neg Seq TOC Multiplier	1.00
W1 Neg Seq TOC Reset	Linear
W1 Neg Seq TOC Block	Disabled

[GROUP 2] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W2 NEG SEQ TIME OC [GRO

W2 Neg Seq TOC Function	Disabled
W2 Neg Seq TOC Target	Latched
W2 Neg Seq TOC Pickup	0.25 x CT
W2 Neg Seq TOC Shape	Ext Inverse
W2 Neg Seq TOC Multiplier	1.00
W2 Neg Seq TOC Reset	Linear
W2 Neg Seq TOC Block	Disabled

[GROUP 2] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W1 NEG SEQ INST OC [GRO

W1 Neg Seq IOC Function	Disabled
W1 Neg Seq IOC Target	Latched
W1 Neg Seq IOC Pickup	10.00 x CT
W1 Neg Seq IOC Delay	0 ms
W1 Neg Seq IOC Block	Disabled

[GROUP 2] - ELEMENTS - > NEGATIVE SEQUENCE OVECURRENT - > W2 NEG SEQ INST OC [GRO

W2 Neg Seq IOC Function	Disabled
W2 Neg Seq IOC Target	Latched



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W2 Neg Seq IOC Pickup	10.00 x CT
W2 Neg Seq IOC Delay	0 ms
W2 Neg Seq IOC Block	Disabled

[GROUP 2] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 1 [GROUP 2]

Underfrequency 1 Function	Disabled
Underfrequency 1 Target	Self-reset
Underfrequency 1 Minimum Operating Current	0.20 x CT
Underfrequency 1 Pickup	59.00 Hz
Underfrequency 1 Delay	1.00 s
Underfrequency 1 Block	Disabled

[GROUP 2] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 2 [GROUP 2]

Underfrequency 2 Function	Disabled
Underfrequency 2 Target	Latched
Underfrequency 2 Minimum Operating Current	0.20 x CT
Underfrequency 2 Pickup	58.80 Hz
Underfrequency 2 Delay	0.10 s
Underfrequency 2 Block	Disabled

[GROUP 2] - ELEMENTS - > FREQUENCY - > FREQUENCY DECAY [GROUP 2]

Frequency Decay Function	Disabled
Frequency Decay Target	Latched
Frequency Decay Minimum Operating Current	0.20 x CT
Frequency Decay Threshold	59.50 Hz
Frequency Decay Rate 1	0.4 Hz/s
Frequency Decay Rate 2	1.0 Hz/s
Frequency Decay Rate 3	2.0 Hz/s
Frequency Decay Rate 4	4.0 Hz/s
Frequency Decay Block	Disabled

[GROUP 2] - ELEMENTS - > FREQUENCY - > OVERFREQUENCY [GROUP 2]

Overfrequency Function	Disabled
Overfrequency Target	Latched



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Overfrequency Minimum Operating Current	0.20 x CT
Overfrequency Pickup	60.50 Hz
Overfrequency Delay	5.00 s
Overfrequency Block	Disabled

[GROUP 2] - ELEMENTS - > OVEREXCITATION - > 5TH HARMONIC LEVEL [GROUP 2]

5th Harmonic Level Function	Disabled
5th Harmonic Level Target	Self-reset
5th Harmonic Level Minimum Operating Current	0.10 x CT
5th Harmonic Level Delay	10 s
5th Harmonic Level Block	Disabled

[GROUP 2] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 1 [GROUP 2]

Volts-Per-Hertz 1 Function	Disabled
Volts-Per-Hertz 1 Target	Self-reset
Volts-Per-Hertz 1 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 1 Pickup	2.36 V/Hz
Volts-Per-Hertz 1 Shape	Definite Time
Volts-Per-Hertz 1 Delay	2.00 s
Volts-Per-Hertz 1 Reset	0.0 s
Volts-Per-Hertz 1 Block	Disabled

[GROUP 2] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 2 [GROUP 2]

Volts-Per-Hertz 2 Function	Disabled
Volts-Per-Hertz 2 Target	Latched
Volts-Per-Hertz 2 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 2 Pickup	2.14 V/Hz
Volts-Per-Hertz 2 Shape	Definite Time
Volts-Per-Hertz 2 Delay	45.00 s
Volts-Per-Hertz 2 Reset	0.0 s
Volts-Per-Hertz 2 Block	Disabled

[GROUP 2] - ELEMENTS - > HARMONICS - > WINDING 1 THD LEVEL [GROUP 2]

W1 THD Level Function	Disabled
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W1 THD Level Target	Self-reset
W1 THD Level Minimum Operating Current	0.10 x CT
W1 THD Level Pickup	50.0 % fo
W1 THD Level Delay	10 s
W1 THD Level Block	Disabled

[GROUP 2] - ELEMENTS - > HARMONICS - > WINDING 2 THD LEVEL [GROUP 2]

W2 THD Level Function	Disabled
W2 THD Level Target	Self-reset
W2 THD Level Minimum Operating Current	0.10 x CT
W2 THD Level Pickup	50.0 % fo
W2 THD Level Delay	10 s
W2 THD Level Block	Disabled

[GROUP 2] - ELEMENTS - > CURRENT DEMAND - > W1 CURRENT DEMAND [GROUP 2]

W1 Current Demand Function	Disabled
W1 Current Demand Target	Self-reset
W1 Current Demand Pickup	100 A
W1 Current Demand Block	Disabled

[GROUP 2] - ELEMENTS - > CURRENT DEMAND - > W2 CURRENT DEMAND [GROUP 2]

W2 Current Demand Function	Disabled
W2 Current Demand Target	Self-reset
W2 Current Demand Pickup	400 A
W2 Current Demand Block	Disabled

[GROUP 2] - ELEMENTS - > TRANSFORMER OVERLOAD - > TRANSFORMER OVERLOAD [GROUP 2]

Transformer Overload Function	Disabled
Transformer Overload Target	Self-reset
Transformer Overload Pickup	208 % rated
Transformer Overload Delay	10 s
Transformer Overload Block	Disabled
Transformer Overtemperature Alarm Signal	Disabled

[GROUP 3] - ELEMENTS - > DIFFERENTIAL - > PERCENT DIFFERENTIAL [GROUP 3]



Export Settings Report

Percent Differential Function	Enabled
Percent Differential Target	Latched
Percent Differential Pickup	0.30 x CT
Percent Differential Slope 1	25 %
Percent Differential Break Point	2.0 x CT
Percent Differential Slope 2	100 %
Percent Differential Block	Disabled

[GROUP 3] - ELEMENTS - > DIFFERENTIAL - > HARMONIC INHIBIT [GROUP 3]

Harmonic Inhibit Function	Enabled
Harmonic Inhibit Parameters	2nd
Harmonic Averaging	Disabled
Harmonic Inhibit Level	20.0 % fo

[GROUP 3] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION INHIBIT [GROUP 3]

Energization Inhibit Function	Enabled
Energization Inhibit Parameters	2nd
Harmonic Averaging (energization inhibit)	Enabled
Energization Inhibit Level	20.0 % fo
Energization Inhibit Duration	0.10 s

[GROUP 3] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION SENSING [GROUP 3]

Energization Sensing By Current	Enabled
Minimum Energization Current	0.10 x CT
Energization Sensing By Voltage	Disabled
Minimum Energization Voltage	0.85 VT
Breakers Are Open Signal	Disabled
Parallel Transformer Breaker Close Signal	Disabled

[GROUP 3] - ELEMENTS - > DIFFERENTIAL - > 5TH HARMONIC INHIBIT [GROUP 3]

5th Harmonic Inhibit Function	Disabled
Harmonic Averaging (5th Harmonic)	Disabled
5th Harmonic Inhibit Level	10.0 % fo

[GROUP 3] - ELEMENTS - > INSTANTANEOUS DIFFERENTIAL [GROUP 3] - > INSTANTANEOUS DIF



Export Settings Report

Inst Differential Function	Enabled
Inst Differential Target	Latched
Inst Differential Pickup	8.00 x CT
Inst Differential Block	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE TIME OC [GROUP 3]

W1 Phase TOC Function	Enabled
W1 Phase TOC Target	Latched
W1 Phase TOC Pickup	1.20 x CT
W1 Phase TOC Shape	Ext Inverse
W1 Phase TOC Multiplier	1.00
W1 Phase TOC Reset	Linear
W1 Phase TOC Block	Disabled
W1 Harmonic Derating Correction	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE TIME OC [GROUP 3]

W2 Phase TOC Function	Enabled
W2 Phase TOC Target	Latched
W2 Phase TOC Pickup	1.20 x CT
W2 Phase TOC Shape	Ext Inverse
W2 Phase TOC Multiplier	1.00
W2 Phase TOC Reset	Linear
W2 Phase TOC Block	Disabled
W2 Harmonic Derating Correction	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 1 [GROUP 3]

W1 Phase IOC1 Function	Enabled
W1 Phase IOC1 Target	Latched
W1 Phase IOC1 Pickup	10.00 x CT
W1 Phase IOC1 Delay	0 ms
W1 Phase IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 1 [GROUP 3]

W2 Phase IOC1 Function	Enabled
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Export Settings Report

W2 Phase IOC1 Target	Latched
W2 Phase IOC1 Pickup	10.00 x CT
W2 Phase IOC1 Delay	0 ms
W2 Phase IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 2 [GROUP 3]

W1 Phase IOC2 Function	Enabled
W1 Phase IOC2 Target	Latched
W1 Phase IOC2 Pickup	10.00 x CT
W1 Phase IOC2 Delay	0 ms
W1 Phase IOC2 Block	Disabled

[GROUP 3] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 2 [GROUP 3]

W2 Phase IOC2 Function	Enabled
W2 Phase IOC2 Target	Latched
W2 Phase IOC2 Pickup	10.00 x CT
W2 Phase IOC2 Delay	0 ms
W2 Phase IOC2 Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL TIME OC [GROUP 3]

W1 Neutral TOC Function	Enabled
W1 Neutral TOC Target	Latched
W1 Neutral TOC Pickup	0.85 x CT
W1 Neutral TOC Shape	Ext Inverse
W1 Neutral TOC Multiplier	1.00
W1 Neutral TOC Reset	Linear
W1 Neutral TOC Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL TIME OC [GROUP 3]

W2 Neutral TOC Function	Disabled
W2 Neutral TOC Target	Latched
W2 Neutral TOC Pickup	0.85 x CT
W2 Neutral TOC Shape	Ext Inverse
W2 Neutral TOC Multiplier	1.00



Export Settings Report

W2 Neutral TOC Reset	Linear
W2 Neutral TOC Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 1 [GROUP 3]

W1 Neutral O/C 1 Function	Enabled
W1 Neutral IOC1 Target	Latched
W1 Neutral IOC1 Pickup	10.00 x CT
W1 Neutral IOC1 Delay	0 ms
W1 Neutral IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 1 [GROUP 3]

W2 Neutral O/C 1 Function	Disabled
W2 Neutral IOC1 Target	Latched
W2 Neutral IOC1 Pickup	10.00 x CT
W2 Neutral IOC1 Delay	0 ms
W2 Neutral IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 2 [GROUP 3]

W1 Neutral O/C 2 Function	Disabled
W1 Neutral IOC2 Target	Latched
W1 Neutral IOC2 Pickup	10.00 x CT
W1 Neutral IOC2 Delay	0 ms
W1 Neutral IOC2 Block	Disabled

[GROUP 3] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 2 [GROUP 3]

W2 Neutral O/C 2 Function	Disabled
W2 Neutral IOC2 Target	Latched
W2 Neutral IOC2 Pickup	10.00 x CT
W2 Neutral IOC2 Delay	0 ms
W2 Neutral IOC2 Block	Disabled

[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND TIME OC [GROUP 3]

W1 Ground TOC Function	Enabled
W1 Ground TOC Target	Latched



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W1 Ground TOC Pickup	0.85 x CT
W1 Ground TOC Shape	Ext Inverse
W1 Ground TOC Multiplier	1.00
W1 Ground TOC Reset	Linear
W1 Ground TOC Block	Disabled

[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND TIME OC [GROUP 3]

W2 Ground TOC Function	Disabled
W2 Ground TOC Target	Latched
W2 Ground TOC Pickup	0.85 x CT
W2 Ground TOC Shape	Ext Inverse
W2 Ground TOC Multiplier	1.00
W2 Ground TOC Reset	Linear
W2 Ground TOC Block	Disabled

[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 1 [GROUP 3]

W1 Ground IOC1 Function	Disabled
W1 Ground IOC1 Target	Latched
W1 Ground IOC1 Pickup	10.00 x CT
W1 Ground IOC1 Delay	0 ms
W1 Ground IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 1 [GROUP 3]

W2 Ground IOC1 Function	Disabled
W2 Ground IOC1 Target	Latched
W2 Ground IOC1 Pickup	10.00 x CT
W2 Ground IOC1 Delay	0 ms
W2 Ground IOC1 Block	Disabled

[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 2 [GROUP 3]

W1 Ground IOC2 Function	Disabled
W1 Ground IOC2 Target	Latched
W1 Ground IOC2 Pickup	10.00 x CT
W1 Ground IOC2 Delay	0 ms



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W1 Ground IOC2 Block	Disabled
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[GROUP 3] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 2 [GROUP 3]

W2 Ground IOC2 Function	Disabled
W2 Ground IOC2 Target	Latched
W2 Ground IOC2 Pickup	10.00 x CT
W2 Ground IOC2 Delay	0 ms
W2 Ground IOC2 Block	Disabled

[GROUP 3] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W1 NEG SEQ TIME OC [GROUP 3]

W1 Neg Seq TOC Function	Disabled
W1 Neg Seq TOC Target	Latched
W1 Neg Seq TOC Pickup	0.25 x CT
W1 Neg Seq TOC Shape	Ext Inverse
W1 Neg Seq TOC Multiplier	1.00
W1 Neg Seq TOC Reset	Linear
W1 Neg Seq TOC Block	Disabled

[GROUP 3] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W2 NEG SEQ TIME OC [GROUP 3]

W2 Neg Seq TOC Function	Disabled
W2 Neg Seq TOC Target	Latched
W2 Neg Seq TOC Pickup	0.25 x CT
W2 Neg Seq TOC Shape	Ext Inverse
W2 Neg Seq TOC Multiplier	1.00
W2 Neg Seq TOC Reset	Linear
W2 Neg Seq TOC Block	Disabled

[GROUP 3] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W1 NEG SEQ INST OC [GROUP 3]

W1 Neg Seq IOC Function	Disabled
W1 Neg Seq IOC Target	Latched
W1 Neg Seq IOC Pickup	10.00 x CT
W1 Neg Seq IOC Delay	0 ms
W1 Neg Seq IOC Block	Disabled

[GROUP 3] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W2 NEG SEQ INST OC [GROUP 3]



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W2 Neg Seq IOC Function	Disabled
W2 Neg Seq IOC Target	Latched
W2 Neg Seq IOC Pickup	10.00 x CT
W2 Neg Seq IOC Delay	0 ms
W2 Neg Seq IOC Block	Disabled

[GROUP 3] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 1 [GROUP 3]

Underfrequency 1 Function	Disabled
Underfrequency 1 Target	Self-reset
Underfrequency 1 Minimum Operating Current	0.20 x CT
Underfrequency 1 Pickup	59.00 Hz
Underfrequency 1 Delay	1.00 s
Underfrequency 1 Block	Disabled

[GROUP 3] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 2 [GROUP 3]

Underfrequency 2 Function	Disabled
Underfrequency 2 Target	Latched
Underfrequency 2 Minimum Operating Current	0.20 x CT
Underfrequency 2 Pickup	58.80 Hz
Underfrequency 2 Delay	0.10 s
Underfrequency 2 Block	Disabled

[GROUP 3] - ELEMENTS - > FREQUENCY - > FREQUENCY DECAY [GROUP 3]

Frequency Decay Function	Disabled
Frequency Decay Target	Latched
Frequency Decay Minimum Operating Current	0.20 x CT
Frequency Decay Threshold	59.50 Hz
Frequency Decay Rate 1	0.4 Hz/s
Frequency Decay Rate 2	1.0 Hz/s
Frequency Decay Rate 3	2.0 Hz/s
Frequency Decay Rate 4	4.0 Hz/s
Frequency Decay Block	Disabled

[GROUP 3] - ELEMENTS - > FREQUENCY - > OVERFREQUENCY [GROUP 3]



Export Settings Report

Overfrequency Function	Disabled
Overfrequency Target	Latched
Overfrequency Minimum Operating Current	0.20 x CT
Overfrequency Pickup	60.50 Hz
Overfrequency Delay	5.00 s
Overfrequency Block	Disabled

[GROUP 3] - ELEMENTS - > OVEREXCITATION - > 5TH HARMONIC LEVEL [GROUP 3]

5th Harmonic Level Function	Disabled
5th Harmonic Level Target	Self-reset
5th Harmonic Level Minimum Operating Current	0.10 x CT
5th Harmonic Level Delay	10 s
5th Harmonic Level Block	Disabled

[GROUP 3] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 1 [GROUP 3]

Volts-Per-Hertz 1 Function	Disabled
Volts-Per-Hertz 1 Target	Self-reset
Volts-Per-Hertz 1 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 1 Pickup	2.36 V/Hz
Volts-Per-Hertz 1 Shape	Definite Time
Volts-Per-Hertz 1 Delay	2.00 s
Volts-Per-Hertz 1 Reset	0.0 s
Volts-Per-Hertz 1 Block	Disabled

[GROUP 3] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 2 [GROUP 3]

Volts-Per-Hertz 2 Function	Disabled
Volts-Per-Hertz 2 Target	Latched
Volts-Per-Hertz 2 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 2 Pickup	2.14 V/Hz
Volts-Per-Hertz 2 Shape	Definite Time
Volts-Per-Hertz 2 Delay	45.00 s
Volts-Per-Hertz 2 Reset	0.0 s
Volts-Per-Hertz 2 Block	Disabled



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[GROUP 3] - ELEMENTS - > HARMONICS - > WINDING 1 THD LEVEL [GROUP 3]

W1 THD Level Function	Disabled
W1 THD Level Target	Self-reset
W1 THD Level Minimum Operating Current	0.10 x CT
W1 THD Level Pickup	50.0 % fo
W1 THD Level Delay	10 s
W1 THD Level Block	Disabled

[GROUP 3] - ELEMENTS - > HARMONICS - > WINDING 2 THD LEVEL [GROUP 3]

W2 THD Level Function	Disabled
W2 THD Level Target	Self-reset
W2 THD Level Minimum Operating Current	0.10 x CT
W2 THD Level Pickup	50.0 % fo
W2 THD Level Delay	10 s
W2 THD Level Block	Disabled

[GROUP 3] - ELEMENTS - > CURRENT DEMAND - > W1 CURRENT DEMAND [GROUP 3]

W1 Current Demand Function	Disabled
W1 Current Demand Target	Self-reset
W1 Current Demand Pickup	100 A
W1 Current Demand Block	Disabled

[GROUP 3] - ELEMENTS - > CURRENT DEMAND - > W2 CURRENT DEMAND [GROUP 3]

W2 Current Demand Function	Disabled
W2 Current Demand Target	Self-reset
W2 Current Demand Pickup	400 A
W2 Current Demand Block	Disabled

[GROUP 3] - ELEMENTS - > TRANSFORMER OVERLOAD - > TRANSFORMER OVERLOAD [GROUP 3]

Transformer Overload Function	Disabled
Transformer Overload Target	Self-reset
Transformer Overload Pickup	208 % rated
Transformer Overload Delay	10 s



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Transformer Overload Block	Disabled
Transformer Overtemperature Alarm Signal	Disabled

[GROUP 4] - ELEMENTS - > DIFFERENTIAL - > PERCENT DIFFERENTIAL [GROUP 4]

Percent Differential Function	Enabled
Percent Differential Target	Latched
Percent Differential Pickup	0.30 x CT
Percent Differential Slope 1	25 %
Percent Differential Break Point	2.0 x CT
Percent Differential Slope 2	100 %
Percent Differential Block	Disabled

[GROUP 4] - ELEMENTS - > DIFFERENTIAL - > HARMONIC INHIBIT [GROUP 4]

Harmonic Inhibit Function	Enabled
Harmonic Inhibit Parameters	2nd
Harmonic Averaging	Disabled
Harmonic Inhibit Level	20.0 % fo

[GROUP 4] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION INHIBIT [GROUP 4]

Energization Inhibit Function	Enabled
Energization Inhibit Parameters	2nd
Harmonic Averaging (energization inhibit)	Enabled
Energization Inhibit Level	20.0 % fo
Energization Inhibit Duration	0.10 s

[GROUP 4] - ELEMENTS - > DIFFERENTIAL - > ENERGIZATION SENSING [GROUP 4]

Energization Sensing By Current	Enabled
Minimum Energization Current	0.10 x CT
Energization Sensing By Voltage	Disabled
Minimum Energization Voltage	0.85 VT
Breakers Are Open Signal	Disabled
Parallel Transformer Breaker Close Signal	Disabled

[GROUP 4] - ELEMENTS - > DIFFERENTIAL - > 5TH HARMONIC INHIBIT [GROUP 4]



Export Settings Report

5th Harmonic Inhibit Function	Disabled
Harmonic Averaging (5th Harmonic)	Disabled
5th Harmonic Inhibit Level	10.0 % fo

[GROUP 4] - ELEMENTS - > INSTANTANEOUS DIFFERENTIAL [GROUP 4] - > INSTANTANEOUS DIFFERENTIAL

Inst Differential Function	Enabled
Inst Differential Target	Latched
Inst Differential Pickup	8.00 x CT
Inst Differential Block	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE TIME OC [GROUP 4]

W1 Phase TOC Function	Enabled
W1 Phase TOC Target	Latched
W1 Phase TOC Pickup	1.20 x CT
W1 Phase TOC Shape	Ext Inverse
W1 Phase TOC Multiplier	1.00
W1 Phase TOC Reset	Linear
W1 Phase TOC Block	Disabled
W1 Harmonic Derating Correction	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE TIME OC [GROUP 4]

W2 Phase TOC Function	Enabled
W2 Phase TOC Target	Latched
W2 Phase TOC Pickup	1.20 x CT
W2 Phase TOC Shape	Ext Inverse
W2 Phase TOC Multiplier	1.00
W2 Phase TOC Reset	Linear
W2 Phase TOC Block	Disabled
W2 Harmonic Derating Correction	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 1 [GROUP 4]

W1 Phase IOC1 Function	Enabled
W1 Phase IOC1 Target	Latched
W1 Phase IOC1 Pickup	10.00 x CT



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W1 Phase IOC1 Delay	0 ms
W1 Phase IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 1 [GROUP 4]

W2 Phase IOC1 Function	Enabled
W2 Phase IOC1 Target	Latched
W2 Phase IOC1 Pickup	10.00 x CT
W2 Phase IOC1 Delay	0 ms
W2 Phase IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W1 PHASE INST OC 2 [GROUP 4]

W1 Phase IOC2 Function	Enabled
W1 Phase IOC2 Target	Latched
W1 Phase IOC2 Pickup	10.00 x CT
W1 Phase IOC2 Delay	0 ms
W1 Phase IOC2 Block	Disabled

[GROUP 4] - ELEMENTS - > PHASE OVERCURRENT - > W2 PHASE INST OC 2 [GROUP 4]

W2 Phase IOC2 Function	Enabled
W2 Phase IOC2 Target	Latched
W2 Phase IOC2 Pickup	10.00 x CT
W2 Phase IOC2 Delay	0 ms
W2 Phase IOC2 Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL TIME OC [GROUP 4]

W1 Neutral TOC Function	Enabled
W1 Neutral TOC Target	Latched
W1 Neutral TOC Pickup	0.85 x CT
W1 Neutral TOC Shape	Ext Inverse
W1 Neutral TOC Multiplier	1.00
W1 Neutral TOC Reset	Linear
W1 Neutral TOC Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL TIME OC [GROUP 4]



Export Settings Report

W2 Neutral TOC Function	Disabled
W2 Neutral TOC Target	Latched
W2 Neutral TOC Pickup	0.85 x CT
W2 Neutral TOC Shape	Ext Inverse
W2 Neutral TOC Multiplier	1.00
W2 Neutral TOC Reset	Linear
W2 Neutral TOC Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 1 [GROUP 4]

W1 Neutral O/C 1 Function	Enabled
W1 Neutral IOC1 Target	Latched
W1 Neutral IOC1 Pickup	10.00 x CT
W1 Neutral IOC1 Delay	0 ms
W1 Neutral IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 1 [GROUP 4]

W2 Neutral O/C 1 Function	Disabled
W2 Neutral IOC1 Target	Latched
W2 Neutral IOC1 Pickup	10.00 x CT
W2 Neutral IOC1 Delay	0 ms
W2 Neutral IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W1 NEUTRAL INST OC 2 [GROUP 4]

W1 Neutral O/C 2 Function	Disabled
W1 Neutral IOC2 Target	Latched
W1 Neutral IOC2 Pickup	10.00 x CT
W1 Neutral IOC2 Delay	0 ms
W1 Neutral IOC2 Block	Disabled

[GROUP 4] - ELEMENTS - > NEUTRAL OVERCURRENT - > W2 NEUTRAL INST OC 2 [GROUP 4]

W2 Neutral O/C 2 Function	Disabled
W2 Neutral IOC2 Target	Latched
W2 Neutral IOC2 Pickup	10.00 x CT
W2 Neutral IOC2 Delay	0 ms



Export Settings Report

W2 Neutral IOC2 Block	Disabled
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[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND TIME OC [GROUP 4]

W1 Ground TOC Function	Enabled
W1 Ground TOC Target	Latched
W1 Ground TOC Pickup	0.85 x CT
W1 Ground TOC Shape	Ext Inverse
W1 Ground TOC Multiplier	1.00
W1 Ground TOC Reset	Linear
W1 Ground TOC Block	Disabled

[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND TIME OC [GROUP 4]

W2 Ground TOC Function	Disabled
W2 Ground TOC Target	Latched
W2 Ground TOC Pickup	0.85 x CT
W2 Ground TOC Shape	Ext Inverse
W2 Ground TOC Multiplier	1.00
W2 Ground TOC Reset	Linear
W2 Ground TOC Block	Disabled

[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 1 [GROUP 4]

W1 Ground IOC1 Function	Disabled
W1 Ground IOC1 Target	Latched
W1 Ground IOC1 Pickup	10.00 x CT
W1 Ground IOC1 Delay	0 ms
W1 Ground IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 1 [GROUP 4]

W2 Ground IOC1 Function	Disabled
W2 Ground IOC1 Target	Latched
W2 Ground IOC1 Pickup	10.00 x CT
W2 Ground IOC1 Delay	0 ms
W2 Ground IOC1 Block	Disabled

[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W1 GROUND INST OC 2 [GROUP 4]



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W1 Ground IOC2 Function	Disabled
W1 Ground IOC2 Target	Latched
W1 Ground IOC2 Pickup	10.00 x CT
W1 Ground IOC2 Delay	0 ms
W1 Ground IOC2 Block	Disabled

[GROUP 4] - ELEMENTS - > GROUND OVERCURRENT - > W2 GROUND INST OC 2 [GROUP 4]

W2 Ground IOC2 Function	Disabled
W2 Ground IOC2 Target	Latched
W2 Ground IOC2 Pickup	10.00 x CT
W2 Ground IOC2 Delay	0 ms
W2 Ground IOC2 Block	Disabled

[GROUP 4] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W1 NEG SEQ TIME OC [GROUP 4]

W1 Neg Seq TOC Function	Disabled
W1 Neg Seq TOC Target	Latched
W1 Neg Seq TOC Pickup	0.25 x CT
W1 Neg Seq TOC Shape	Ext Inverse
W1 Neg Seq TOC Multiplier	1.00
W1 Neg Seq TOC Reset	Linear
W1 Neg Seq TOC Block	Disabled

[GROUP 4] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W2 NEG SEQ TIME OC [GROUP 4]

W2 Neg Seq TOC Function	Disabled
W2 Neg Seq TOC Target	Latched
W2 Neg Seq TOC Pickup	0.25 x CT
W2 Neg Seq TOC Shape	Ext Inverse
W2 Neg Seq TOC Multiplier	1.00
W2 Neg Seq TOC Reset	Linear
W2 Neg Seq TOC Block	Disabled

[GROUP 4] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W1 NEG SEQ INST OC [GROUP 4]

W1 Neg Seq IOC Function	Disabled
W1 Neg Seq IOC Target	Latched



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W1 Neg Seq IOC Pickup	10.00 x CT
W1 Neg Seq IOC Delay	0 ms
W1 Neg Seq IOC Block	Disabled

[GROUP 4] - ELEMENTS - > NEGATIVE SEQUENCE OVERCURRENT - > W2 NEG SEQ INST OC [GROUP 4]

W2 Neg Seq IOC Function	Disabled
W2 Neg Seq IOC Target	Latched
W2 Neg Seq IOC Pickup	10.00 x CT
W2 Neg Seq IOC Delay	0 ms
W2 Neg Seq IOC Block	Disabled

[GROUP 4] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 1 [GROUP 4]

Underfrequency 1 Function	Disabled
Underfrequency 1 Target	Self-reset
Underfrequency 1 Minimum Operating Current	0.20 x CT
Underfrequency 1 Pickup	59.00 Hz
Underfrequency 1 Delay	1.00 s
Underfrequency 1 Block	Disabled

[GROUP 4] - ELEMENTS - > FREQUENCY - > UNDERFREQUENCY 2 [GROUP 4]

Underfrequency 2 Function	Disabled
Underfrequency 2 Target	Latched
Underfrequency 2 Minimum Operating Current	0.20 x CT
Underfrequency 2 Pickup	58.80 Hz
Underfrequency 2 Delay	0.10 s
Underfrequency 2 Block	Disabled

[GROUP 4] - ELEMENTS - > FREQUENCY - > FREQUENCY DECAY [GROUP 4]

Frequency Decay Function	Disabled
Frequency Decay Target	Latched
Frequency Decay Minimum Operating Current	0.20 x CT
Frequency Decay Threshold	59.50 Hz
Frequency Decay Rate 1	0.4 Hz/s
Frequency Decay Rate 2	1.0 Hz/s



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Frequency Decay Rate 3	2.0 Hz/s
Frequency Decay Rate 4	4.0 Hz/s
Frequency Decay Block	Disabled

[GROUP 4] - ELEMENTS - > FREQUENCY - > OVERFREQUENCY [GROUP 4]

Overfrequency Function	Disabled
Overfrequency Target	Latched
Overfrequency Minimum Operating Current	0.20 x CT
Overfrequency Pickup	60.50 Hz
Overfrequency Delay	5.00 s
Overfrequency Block	Disabled

[GROUP 4] - ELEMENTS - > OVEREXCITATION - > 5TH HARMONIC LEVEL [GROUP 4]

5th Harmonic Level Function	Disabled
5th Harmonic Level Target	Self-reset
5th Harmonic Level Minimum Operating Current	0.10 x CT
5th Harmonic Level Delay	10 s
5th Harmonic Level Block	Disabled

[GROUP 4] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 1 [GROUP 4]

Volts-Per-Hertz 1 Function	Disabled
Volts-Per-Hertz 1 Target	Self-reset
Volts-Per-Hertz 1 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 1 Pickup	2.36 V/Hz
Volts-Per-Hertz 1 Shape	Definite Time
Volts-Per-Hertz 1 Delay	2.00 s
Volts-Per-Hertz 1 Reset	0.0 s
Volts-Per-Hertz 1 Block	Disabled

[GROUP 4] - ELEMENTS - > OVEREXCITATION - > VOLTS-PER-HERTZ 2 [GROUP 4]

Volts-Per-Hertz 2 Function	Disabled
Volts-Per-Hertz 2 Target	Latched
Volts-Per-Hertz 2 Minimum Operating Voltage	0.10 VT
Volts-Per-Hertz 2 Pickup	2.14 V/Hz



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Volts-Per-Hertz 2 Shape	Definite Time
Volts-Per-Hertz 2 Delay	45.00 s
Volts-Per-Hertz 2 Reset	0.0 s
Volts-Per-Hertz 2 Block	Disabled

[GROUP 4] - ELEMENTS - > HARMONICS - > WINDING 1 THD LEVEL [GROUP 4]

W1 THD Level Function	Disabled
W1 THD Level Target	Self-reset
W1 THD Level Minimum Operating Current	0.10 x CT
W1 THD Level Pickup	50.0 % fo
W1 THD Level Delay	10 s
W1 THD Level Block	Disabled

[GROUP 4] - ELEMENTS - > HARMONICS - > WINDING 2 THD LEVEL [GROUP 4]

W2 THD Level Function	Disabled
W2 THD Level Target	Self-reset
W2 THD Level Minimum Operating Current	0.10 x CT
W2 THD Level Pickup	50.0 % fo
W2 THD Level Delay	10 s
W2 THD Level Block	Disabled

[GROUP 4] - ELEMENTS - > CURRENT DEMAND - > W1 CURRENT DEMAND [GROUP 4]

W1 Current Demand Function	Disabled
W1 Current Demand Target	Self-reset
W1 Current Demand Pickup	100 A
W1 Current Demand Block	Disabled

[GROUP 4] - ELEMENTS - > CURRENT DEMAND - > W2 CURRENT DEMAND [GROUP 4]

W2 Current Demand Function	Disabled
W2 Current Demand Target	Self-reset
W2 Current Demand Pickup	400 A
W2 Current Demand Block	Disabled

[GROUP 4] - ELEMENTS - > TRANSFORMER OVERLOAD - > TRANSFORMER OVERLOAD [GROUP 4]



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Transformer Overload Function	Disabled
Transformer Overload Target	Self-reset
Transformer Overload Pickup	208 % rated
Transformer Overload Delay	10 s
Transformer Overload Block	Disabled
Transformer Overtemperature Alarm Signal	Disabled