



Relatório de ficheiro de definições
Subestação:
Ficheiro: P143_204-MF-2B_2018-06-13.set

Número de modelo:

	SYSTEM DATA
	00.01: Language: English
	00.02: Password: ****
	00.03: Sys Fn Links: 0
	00.04: Description: 204-TF-02
	00.05: Plant Reference: 204-MF-2B_rev.0
	00.06: Model Number: P143312A2A0150C
	00.08: Serial Number: 826986A
	00.09: Frequency: 60 Hz
	00.0A: Comms Level: 2
	00.0B: Relay Address: 1
	00.0C: Plant Status: 00000000000000000000
	00.0D: Control Status: 00000000000000000000
	00.0E: Active Group: 1
	00.10: CB Trip/Close: No Operation
	00.11: Software Ref. 1: P143_2_0150_C
	00.20: Opto I/P Status: 0000000010000100
	00.21: Relay O/P Status: 0000000000000000
	00.22: Alarm Status 1: 00000000000000000000000000000000
	00.30: Opto I/P Status: 0000000010000100
	00.40: Relay O/P Status: 0000000000000000
	00.50: Alarm Status 1: 00000000000000000000000000000000
	00.51: Alarm Status 2: 00000000000000000000000000000000
	00.52: Alarm Status 3: 00000000000000000000000000000000
	00.D0: Access Level: 2
	00.D1: Password Control: 2
	00.D2: Password Level 1: ****
	00.D3: Password Level 2: ****
	CB CONTROL
	07.01: CB Control by: Disabled
	07.08: Lockout Reset: No
	07.09: Reset Lockout by: CB Close
	07.0A: Man Close RstDly: 5.000 s
	07.11: CB Status Input: None
	DATE AND TIME
	08.01: Date/Time: 2018-06-13 10:13:14.99
	08.04: IRIG-B Sync: Disabled
	08.06: Battery Status: Healthy
	08.07: Battery Alarm: Enabled
	CONFIGURATION
	09.01: Restore Defaults: No Operation
	09.02: Setting Group: Select via Menu
	09.03: Active Settings: Group 1
	09.04: Save Changes: No Operation
	09.05: Copy From: Group 1
	09.06: Copy To: No Operation
	09.07: Setting Group 1: Enabled
	09.08: Setting Group 2: Disabled
	09.09: Setting Group 3: Disabled
	09.0A: Setting Group 4: Disabled
	09.10: Overcurrent: Enabled
	09.11: Neg Sequence O/C: Disabled
	09.12: Broken Conductor: Disabled
	09.13: Earth Fault 1: Enabled
	09.14: Earth Fault 2: Disabled
	09.15: SEF/REF Prot'n: Disabled
	09.16: Residual O/V NVD: Disabled
	09.17: Thermal Overload: Disabled
	09.18: Neg Sequence O/V: Disabled
	09.19: Cold Load Pickup: Disabled
	09.1A: Selective Logic: Enabled



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09.1B: Admit Protection: Disabled
 09.1D: Volt Protection: Enabled
 09.1E: Freq Protection: Disabled
 09.20: CB Fail: Enabled
 09.21: Supervision: Disabled
 09.22: Fault Locator: Disabled
 09.23: System Checks: Disabled
 09.24: Auto-Reclose: Disabled
 09.25: Input Labels: Visible
 09.26: Output Labels: Visible
 09.28: CT & VT Ratios: Visible
 09.29: Record Control: Invisible
 09.2A: Disturb Recorder: Visible
 09.2B: Measure't Setup: Visible
 09.2C: Comms Settings: Invisible
 09.2D: Commission Tests:Visible
 09.2E: Setting Values: Primary
 09.2F: Control Inputs: Visible

CT AND VT RATIOS

0A.01: Main VT Primary: 4160 V
 0A.02: Main VT Sec'y: 120.0 V
 0A.03: C/S VT Primary: 4160 V
 0A.04: C/S VT Secondary: 120.0 V
 0A.07: Phase CT Primary: 400.0 A
 0A.08: Phase CT Sec'y: 5.000 A
 0A.09: E/F CT Primary: 200.0 A
 0A.0A: E/F CT Secondary: 5.000 A
 0A.0B: SEF CT Primary: 1600 A
 0A.0C: SEF CT Secondary: 5.000 A
 0A.0F: C/S Input:A-N
 0A.10: Main VT Location: Line

DISTURB RECORDER

0C.01: Duration: 5.000 s
 0C.02: Trigger Position: 33.30 %
 0C.03: Trigger Mode: Single
 0C.04: Analog Channel 1: IA
 0C.05: Analog Channel 2: IB
 0C.06: Analog Channel 3: IC
 0C.07: Analog Channel 4: IN
 0C.08: Analog Channel 5: VA
 0C.09: Analog Channel 6: VB
 0C.0A: Analog Channel 7: VC
 0C.0B: Analog Channel 8: V Checksync
 0C.0C: Digital Input 1: I>1 Start
 0C.0D: Input 1 Trigger: Trigger L/H
 0C.0E: Digital Input 2: V<2 Trip
 0C.0F: Input 2 Trigger: Trigger L/H
 0C.10: Digital Input 3: R3 Prot'n Trip
 0C.11: Input 3 Trigger: Trigger L/H
 0C.12: Digital Input 4: L6 External Trip
 0C.13: Input 4 Trigger: Trigger L/H
 0C.14: Digital Input 5: L7 52-A
 0C.15: Input 5 Trigger: No Trigger
 0C.16: Digital Input 6: L8 52-B
 0C.17: Input 6 Trigger: No Trigger
 0C.18: Digital Input 7: R5 CB Fail Tmr 1
 0C.19: Input 7 Trigger: No Trigger
 0C.1A: Digital Input 8: R6 Cntl CB Close
 0C.1B: Input 8 Trigger: No Trigger
 0C.1C: Digital Input 9: R9 AR Successful
 0C.1D: Input 9 Trigger: No Trigger



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0C.1E: Digital Input 10: R10 Non Auto
 0C.1F: Input 10 Trigger: No Trigger
 0C.20: Digital Input 11: R12 AR Lockout
 0C.21: Input 11 Trigger: No Trigger
 0C.22: Digital Input 12: Unused
 0C.24: Digital Input 13: Unused
 0C.26: Digital Input 14: Unused
 0C.28: Digital Input 15: Unused
 0C.2A: Digital Input 16: Unused
 0C.2C: Digital Input 17: Unused
 0C.2E: Digital Input 18: Unused
 0C.30: Digital Input 19: Unused
 0C.32: Digital Input 20: Unused
 0C.34: Digital Input 21: Unused
 0C.36: Digital Input 22: Unused
 0C.38: Digital Input 23: Unused
 0C.3A: Digital Input 24: Unused
 0C.3C: Digital Input 25: Unused
 0C.3E: Digital Input 26: Unused
 0C.40: Digital Input 27: Unused
 0C.42: Digital Input 28: Unused
 0C.44: Digital Input 29: Unused
 0C.46: Digital Input 30: Unused
 0C.48: Digital Input 31: Unused
 0C.4A: Digital Input 32: Unused

MEASURE'T SETUP

0D.01: Default Display: 3Ph + N Current
 0D.02: Local Values: Primary
 0D.03: Remote Values: Primary
 0D.04: Measurement Ref: VA
 0D.05: Measurement Mode: 0
 0D.06: Fix Dem Period: 30.00 min
 0D.07: Roll Sub Period: 30.00 min
 0D.08: Num Sub Periods: 1

COMMISSION TESTS

0F.01: Opto I/P Status: 0000000010000100
 0F.02: Relay O/P Status: 0000000000000000
 0F.03: Test Port Status: 00000000
 0F.04: LED Status: 00000000
 0F.05: Monitor Bit 1: 64
 0F.06: Monitor Bit 2: 65
 0F.07: Monitor Bit 3: 66
 0F.08: Monitor Bit 4: 67
 0F.09: Monitor Bit 5: 68
 0F.0A: Monitor Bit 6: 69
 0F.0B: Monitor Bit 7: 70
 0F.0C: Monitor Bit 8: 71
 0F.0D: Test Mode: Disabled
 0F.0E: Test Pattern: 00000000000000000000000000000000
 0F.0F: Contact Test: No Operation
 0F.10: Test LEDs: No Operation
 0F.11: Test Autoreclose: No Operation
 0F.20: DDB 31 - 0: 00000000000000000000000000000000
 0F.21: DDB 63 - 32: 0000000000000000000000000000000010000100
 0F.22: DDB 95 - 64: 00
 0F.23: DDB 127 - 96: 00
 0F.24: DDB 159 - 128: 00
 0F.25: DDB 191 - 160: 00
 0F.26: DDB 223 - 192: 00
 0F.27: DDB 255 - 224: 001100000
 0F.28: DDB 287 - 256: 000



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OF.29: DDB 319 - 288:	000
OF.2A: DDB 351 - 320:	000
OF.2B: DDB 383 - 352:	00000011000000000000000010000000000000000000000000000000
OF.2C: DDB 415 - 384:	0000000000000000100
OF.2D: DDB 447 - 416:	000
OF.2E: DDB 479 - 448:	000
OF.2F: DDB 511 - 480:	000
OF.30: DDB 543 - 512:	000
OF.31: DDB 575 - 544:	000
OF.32: DDB 607 - 576:	000
OF.33: DDB 639 - 608:	000
OF.34: DDB 671 - 640:	000
OF.35: DDB 703 - 672:	000
OF.36: DDB 735 - 704:	000
OF.37: DDB 767 - 736:	000
OF.38: DDB 799 - 768:	000
OF.39: DDB 831 - 800:	000
OF.3A: DDB 863 - 832:	000
OF.3B: DDB 895 - 864:	000
OF.3C: DDB 927 - 896:	000
OF.3D: DDB 959 - 928:	000
OF.3E: DDB 991 - 960:	000
OF.3F: DDB 1022 - 992:	000
CB MONITOR SETUP	
10.01: Broken I^:	2.000
10.02: I^ Maintenance:	Alarm Disabled
10.04: I^ Lockout:	Alarm Disabled
10.06: No. CB Ops Maint:	Alarm Disabled
10.08: No. CB Ops Lock:	Alarm Disabled
10.0A: CB Time Maint:	Alarm Disabled
10.0C: CB Time Lockout:	Alarm Disabled
10.0E: Fault Freq Lock:	Alarm Disabled
OPTO CONFIG	
11.01: Global Nominal V:	110/125V
CONTROL INPUTS	
12.01: Ctrl I/P Status:	000
12.02: Control Input 1:	No Operation
12.03: Control Input 2:	No Operation
12.04: Control Input 3:	No Operation
12.05: Control Input 4:	No Operation
12.06: Control Input 5:	No Operation
12.07: Control Input 6:	No Operation
12.08: Control Input 7:	No Operation
12.09: Control Input 8:	No Operation
12.0A: Control Input 9:	No Operation
12.0B: Control Input 10:	No Operation
12.0C: Control Input 11:	No Operation
12.0D: Control Input 12:	No Operation
12.0E: Control Input 13:	No Operation
12.0F: Control Input 14:	No Operation
12.10: Control Input 15:	No Operation
12.11: Control Input 16:	No Operation
12.12: Control Input 17:	No Operation
12.13: Control Input 18:	No Operation
12.14: Control Input 19:	No Operation
12.15: Control Input 20:	No Operation
12.16: Control Input 21:	No Operation
12.17: Control Input 22:	No Operation
12.18: Control Input 23:	No Operation
12.19: Control Input 24:	No Operation
12.1A: Control Input 25:	No Operation



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12.1B: Control Input 26:	No Operation
12.1C: Control Input 27:	No Operation
12.1D: Control Input 28:	No Operation
12.1E: Control Input 29:	No Operation
12.1F: Control Input 30:	No Operation
12.20: Control Input 31:	No Operation
12.21: Control Input 32:	No Operation
Group 1	
GROUP 1 OVERCURRENT	
35.23: I>1 Function:	IEC E Inverse
35.24: I>1 Direction:	Non-Directional
35.27: I>1 Current Set:	360.0 A
35.2A: I>1 TMS:	1.000
35.2F: I>1 tRESET:	0 s
35.32: I>2 Function:	DT
35.33: I>2 Direction:	Non-Directional
35.36: I>2 Current Set:	1600 A
35.38: I>2 Time Delay:	600.0 ms
35.3E: I>2 tRESET:	0 s
35.40: I>3 Status:	Enabled
35.41: I>3 Direction:	Non-Directional
35.44: I>3 Current Set:	2500 A
35.45: I>3 Time Delay:	100.0 ms
35.47: I>4 Status:	Disabled
35.4E: I> Blocking:	001111
35.4F: I> Char Angle:	45.00 deg
35.51: V CONTROLLED O/C:	
35.52: VCO Status:	Disabled
GROUP 1 EARTH FAULT 1	
38.01: IN1> Input:	Measured
38.25: IN1>1 Function:	DT
38.26: IN1>1 Direction:	Non-Directional
38.29: IN1>1 Current:	16.00 A
38.2C: IN1>1 Time Delay:	600.0 ms
38.33: IN1>1 tRESET:	0 s
38.36: IN1>2 Function:	Disabled
38.46: IN1>3 Status:	Enabled
38.47: IN1>3 Direction:	Non-Directional
38.4A: IN1>3 Current:	16.00 A
38.4B: IN1>3 Time Delay:	300.0 ms
38.4D: IN1>4 Status:	Disabled
38.54: IN1> Blocking:	001111
38.55: IN1> POL:	
38.56: IN1> Char Angle:	-45.00 deg
38.57: IN1> Pol: Zero Sequence	
38.59: IN1> VNpol Set:	173.3 V
GROUP 1 SELECTIVE LOGIC	
3F.01: OVERCURRENT:	
3F.02: I>3 Time Delay:	600.0 ms
3F.04: EARTH FAULT 1:	
3F.05: IN1>3 Time Delay:	600.0 ms
GROUP 1 VOLT PROTECTION	
42.01: UNDER VOLTAGE:	
42.02: V< Measur't Mode:	Phase-Phase
42.03: V< Operate Mode:	Three Phase
42.04: V<1 Function:	DT
42.05: V<1 Voltage Set:	2080 V
42.06: V<1 Time Delay:	500.0 ms
42.08: V<1 Poledead Inh:	Disabled
42.09: V<2 Status:	Enabled
42.0A: V<2 Voltage Set:	3744 V



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```

42.0B: V<2 Time Delay: 250.0 ms
42.0C: V<2 Poledead Inh:Disabled
42.0D: OVERVOLTAGE:
42.0E: V> Measur't Mode:Phase-Phase
42.0F: V> Operate Mode: Any Phase
42.10: V>1 Function: DT
42.11: V>1 Voltage Set: 4576 V
42.12: V>1 Time Delay: 3.000 s
42.14: V>2 Status: Disabled
GROUP 1 CB FAIL & I<
  45.01: BREAKER FAIL:
    45.02: CB Fail 1 Status: Enabled
    45.03: CB Fail 1 Timer: 200.0 ms
    45.04: CB Fail 2 Status: Disabled
    45.06: Volt Prot Reset: CB Open & I<
    45.07: Ext Prot Reset: CB Open & I<
  45.08: UNDER CURRENT:
    45.09: I< Current Set: 36.00 A
    45.0A: IN< Current Set: 10.00 A
    45.0B: ISEF< Current: 32.00 A
  45.0C: BLOCKED O/C:
    45.0D: Remove I> Start: Disabled
    45.0E: Remove IN> Start:Disabled
GROUP 1 INPUT LABELS
  4A.01: Opto Input 1:
  4A.02: Opto Input 2:
  4A.03: Opto Input 3: Mola Carregada
  4A.04: Opto Input 4: 52 posicao teste
  4A.05: Opto Input 5:
  4A.06: Opto Input 6: Sel. Log. Lado B
  4A.07: Opto Input 7: Disjuntor aberto
  4A.08: Opto Input 8: Disjuntor fechad
  4A.09: Opto Input 9:
  4A.0A: Opto Input 10:
  4A.0B: Opto Input 11:
  4A.0C: Opto Input 12:
  4A.0D: Opto Input 13:
  4A.0E: Opto Input 14:
  4A.0F: Opto Input 15:
  4A.10: Opto Input 16:
GROUP 1 OUTPUT LABELS
  4B.01: Relay 1:
  4B.02: Relay 2:
  4B.03: Relay 3: Trip rele 86
  4B.04: Relay 4: Trip geral SCMD
  4B.05: Relay 5: 50BF p/ 86-42
  4B.06: Relay 6: 50BF p/ 00-86-24
  4B.07: Relay 7:
  4B.08: Relay 8:
  4B.09: Relay 9: 50BF p/ SCMD
  4B.0A: Relay 10: Sel. Log. MF-2B1
  4B.0B: Relay 11: Bloq. fech 52-04
  4B.0C: Relay 12: 50BF p/ 86-44
  4B.0D: Relay 13: Sub tensao SCMD
  4B.0E: Relay 14:

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