Relatório de ficheiro de definições
Subestação:
Ficheiro: P241_52-MP-20_2019-08-15.set

SYSTEM DATA
- 00.01: Language: English
- 00.02: Password:****
- 00.04: Description: 52-MP-20
- 00.05: Plant Reference: 204-MF-02_rev.0
- 00.06: Model Number: P241311B2M0600J
- 00.08: Serial Number: 690927U
- 00.09: Frequency: 60 Hz
- 00.0A: Comms Level: 2
- 00.0B: Relay Address: 1
- 00.0C: Plant Status: 0000000000000010
- 00.0D: Control Status: 0000000000000000
- 00.0E: Active Group: 1
- 00.10: CB Trip/Close: No Operation
- 00.11: Software Ref. 1: P241 60C
- 00.20: Opto I/P Status: 00000001
- 00.21: Relay O/P Status: 0000000
- 00.22: Alarm Status 1: 10000000000000000000001000000100
- 00.50: Alarm Status 1: 10000000000000000000001000000100
- 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

DATE AND TIME
- 08.01: Date/Time: 2019-08-15 11:57:01.636
- 08.06: Battery Status: Healthy
- 08.07: Battery Alarm: Enabled
- 08.20: LocalTime Enable: Fixed
- 08.21: LocalTime Offset: 0 min
- 08.22: DST Enable: Enabled
- 08.23: DST Offset: 60.00 min
- 08.24: DST Start:Last
- 08.25: DST Start Day: Sunday
- 08.26: DST Start Month: March
- 08.27: DST Start Mins: 60.00 min
- 08.28: DST End: Last
- 08.29: DST End Day: Sunday
- 08.2A: DST End Month: October
- 08.2B: DST End Mins: 60.00 min

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
- 09.0B: Thermal Overload: Enabled
- 09.0C: Short Circuit: Enabled
- 09.0D: Sensitive E/F: Enabled
- 09.0E: Neg Seq O/C: Enabled
- 09.0F: 3Ph Volt.Check: Disabled
- 09.10: Derived E/F: Disabled
- 09.11: Neg Seq O/V: Disabled
- 09.14: Stall Detection: Enabled
- 09.16: Residual O/V NVD: Disabled

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Número de modelo:

```
          09.17: Limit nb Starts:    Enabled
          09.18: Loss of Load:       Disabled
          09.19: Out of Step:        Disabled
          09.1A: Reverse power:      Disabled
          09.1B: Antibackspin:       Disabled
          09.1C: Field Failure:      Disabled
          09.1D: Volt Protection:    Enabled
          09.1E: Under Frequency:    Disabled
          09.1F: RTD Inputs:         Enabled
          09.20: CB Fail:    Enabled
          09.21: Supervision:        Disabled
          09.24: System Config:      Invisible
          09.25: Input Labels:       Visible
          09.26: Output Labels:      Visible
          09.27: RTD 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:     Visible
          09.2D: Commission Tests:   Visible
          09.2E: Setting Values:     Primary
          09.2F: Control Inputs:     Visible
          09.35: Ctrl I/P Config:    Invisible
          09.36: Ctrl I/P Labels:    Invisible
          09.39: Direct Access:      Enabled
          09.FB: RP1 Read Only:      Disabled
    CT AND VT RATIOS
          0A.01: Main VT Primary:    13.80 kV
          0A.02: Main VT Sec'y:      120.0 V
          0A.07: Phase CT Primary:   150.0 A
          0A.08: Phase CT Sec'y:     5.000 A
          0A.0B: SEF CT Primary:     50.00 A
          0A.0C: SEF CT Secondary:   5.000 A
          0A.11: VT Connect. Mode:   2 VT + Residual
          0A.12: NVD VT Primary:     110.0 V
          0A.13: NVD VT Secondary:          110.0 V
    DISTURB RECORDER
          0C.01: Duration: 10.00 s
          0C.02: TriggerPosition:    30.00 %
          0C.03: TriggerMode:        Extended
          0C.04: AnalogChannel1:     IN
          0C.05: AnalogChannel2:     IN
          0C.06: AnalogChannel3:     IN
          0C.07: AnalogChannel4:     IA
          0C.08: AnalogChannel5:     IB
          0C.09: AnalogChannel6:     IC
          0C.0A: AnalogChannel7:     IN
          0C.0B: AnalogChannel8:     IN
          0C.0C: DigitalInput1:      Strt in Progress
          0C.0D: Input1Trigger:      Trigger L/H
          0C.0E: DigitalInput2:      Trip V<2
          0C.0F: Input2Trigger:      Trigger L/H
          0C.10: DigitalInput3:      Relay Label 03
          0C.11: Input3Trigger:      Trigger L/H
          0C.12: DigitalInput4:      Relay Label 04
          0C.13: Input4Trigger:      No trigger
          0C.14: DigitalInput5:      Relay Label 05
          0C.15: Input5Trigger:      No trigger
          0C.16: DigitalInput6:      Relay Label 06
          0C.17: Input6Trigger:      No trigger
```

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```
0C.18: DigitalInput7:     Relay Label 07
0C.19: Input7Trigger:     No trigger
0C.1A: DigitalInput8:     Unused
0C.1C: DigitalInput9:     Unused
0C.1E: DigitalInput10:    Unused
0C.20: DigitalInput11:    Unused
0C.22: DigitalInput12:    Unused
0C.24: DigitalInput13:    Unused
0C.26: DigitalInput14:    Unused
0C.28: DigitalInput15:    Unused
0C.2A: DigitalInput16:    Unused
0C.2C: DigitalInput17:    Unused
0C.2E: DigitalInput18:    Unused
0C.30: DigitalInput19:    Unused
0C.32: DigitalInput20:    Unused
0C.34: DigitalInput21:    Unused
0C.36: DigitalInput22:    Unused
0C.38: DigitalInput23:    Unused
0C.3A: DigitalInput24:    Unused
0C.3C: DigitalInput25:    Unused
0C.3E: DigitalInput26:    Unused
0C.40: DigitalInput27:    Unused
0C.42: DigitalInput28:    Unused
0C.44: DigitalInput29:    Unused
0C.46: DigitalInput30:    Unused
0C.48: DigitalInput31:    Unused
0C.4A: DigitalInput32:    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.06: Demand Interval: 30.00 min
0D.07: Alarm Fix Dem.:    Invisible
0D.0A: Alarm Energies:    Invisible
0D.0F: Motor Hour Run>1:        Disabled
0D.11: Motor Hour Run>2:        Disabled
```

📁 COMMISSION TESTS
```
0F.01: Opto I/P Status:   00000001
0F.02: Relay O/P Status: 0000000
0F.03: Test Port Status:  00000000
0F.04: LED Status:        00000000
0F.05: Monitor Bit 1:     Relay Label 01
0F.06: Monitor Bit 2:     Relay Label 02
0F.07: Monitor Bit 3:     Relay Label 03
0F.08: Monitor Bit 4:     Relay Label 04
0F.09: Monitor Bit 5:     Relay Label 05
0F.0A: Monitor Bit 6:     Relay Label 06
0F.0B: Monitor Bit 7:     Relay Label 07
0F.0C: Monitor Bit 8:     Opto Label 01
0F.0D: Test Mode:         Disable
0F.0E: Test Pattern:      0000000
0F.0F: Contact Test:      No operation
0F.10: Test LEDs:         No operation
0F.30: DDB 543 - 512:     00000000000000000000000000000000
0F.31: DDB 575 - 544:     00000000000000000000000000000000
0F.32: DDB 607 - 576:     00000000000000000000000000000000
0F.33: DDB 639 - 608:     00000000000000000000000000000000
0F.34: DDB 671 - 640:     00000000000000000000000000000000
0F.35: DDB 703 - 672:     00000000000000000000000000000000
0F.36: DDB 735 - 704:     00000000000000000000000000000000
```

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```
0F.37: DDB 767 - 736:    0000000000000000000000000000000
0F.38: DDB 799 - 768:    0000000000000000000000000000000
0F.39: DDB 831 - 800:    0000000000000000000000000000000
0F.3A: DDB 863 - 832:    0000000000000000000000000000000
0F.3B: DDB 895 - 864:    0000000000000000000000000000000
0F.3C: DDB 927 - 896:    0010000000000000000000000000000
0F.3D: DDB 959 - 928:    0000000000000000000000000000000
0F.3E: DDB 991 - 960:    0000000000000000000000000000000
0F.3F: DDB 1023 - 992:   0000000000000000000000000000000
0F.40: DDB 1055 - 1024:  0000000000000000000000000000000
0F.41: DDB 1087 - 1056:  0000000000000000000000000000000
0F.42: DDB 1119 - 1088:  0000000000000000000000000000000
0F.43: DDB 1151 - 1120:  0000000000000000000000000000000
0F.44: DDB 1183 - 1152:  0000000000000000000000000000000
0F.45: DDB 1215 - 1184:  0000000000000000000000000000000
0F.46: DDB 1247 - 1216:  0000000000000000000000000000000
0F.47: DDB 1279 - 1248:  0000000000000000000000000000000
0F.48: DDB 1311 - 1280:  0000000000000000000000000000000
0F.49: DDB 1343 - 1312:  0000000000000000000000000000000
0F.4A: DDB 1375 - 1344:  0000000000000000000000000000000
0F.4B: DDB 1407 - 1376:  0000000000000000000000000000000
0F.4C: DDB 1439 - 1408:  0000000000000000000000000000000
0F.4D: DDB 1471 - 1440:  0000000000000000000000000000000
0F.4E: DDB 1503 - 1472:  0000000000000000000000000000000
0F.4F: DDB 1535 - 1504:  0000000000000000000000000000000
0F.50: DDB 1567 - 1536:  0000000000000000000000000000000
0F.51: DDB 1599 - 1568:  0000000000000000000000000000000
0F.52: DDB 1631 - 1600:  0000000000000000000000000000000
0F.53: DDB 1663 - 1632:  0000000000000000000000000000000
0F.54: DDB 1695 - 1664:  0000000000000000000000000000000
0F.55: DDB 1727 - 1696:  0000000000000000000000000000000
0F.56: DDB 1759 - 1728:  0000000000000000000000000000000
0F.57: DDB 1791 - 1760:  0000000000000000000000000000000
0F.58: DDB 1823 - 1792:  0000000000000000000000000000000
0F.59: DDB 1855 - 1824:  0000000000000000000000000000000
0F.5A: DDB 1887 - 1856:  0000000000000000000000000000000
0F.5B: DDB 1919 - 1888:  0000000000000000000000000000000
0F.5C: DDB 1951 - 1920:  0000000000000000000000000000000
0F.5D: DDB 1983 - 1952:  0000000000000000000000000000000
0F.5E: DDB 2015 - 1984:  0000000000000000000000000000000
0F.5F: DDB 2047 - 2016:  0000000000000000000000000000000
```

CB MONITOR SETUP
```
10.01: Broken I^:        2.000
10.02: I^ Maintenance:   Disabled
10.06: No CB Ops Maint:  Disabled
10.0A: CB Time Maint:    Disabled
```

OPTO CONFIG
```
11.01: Global Nominal V: 110/125V
11.50: Opto Filter Cntl: 11111111
11.80: Characteristic:   Standard 60%-80%
```

Group 1
GROUP 1 THERMAL OVERLOAD
```
30.01: Ith Current Set:  88.50 A
30.02: K Coefficient:    3
30.03: Thermal Const T1: 18.00 min
30.04: Thermal Const T2: 18.00 min
30.05: Cooling Const Tr: 198.0 min
30.06: Thermal Trip:     Enabled
30.07: Thermal Alarm:    Enabled
30.08: Alarm Threshold:  93.00 %
30.09: Thermal Lockout:  Enabled
```

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Número de modelo:

```
        30.0A: Lockout Thresh.:    85.00 %
        30.0B: Inh.Trip dur St.:   Disabled
        30.0C: Thermal Overload:   Thermal Model
GROUP 1 SHORT CIRCUIT
        31.01: I>1 Function:       DT
        31.02: I>1 Current Set:    690.0 A
        31.03: I>1 Time Delay:     40.00 ms
        31.11: I>2 Function:       Disabled
        31.21: I>3 Function:       Disabled
        31.31: I>4 Function:       Disabled
GROUP 1 SENSITIVE E/F
        32.01: ISEF>1 Function:    DT
        32.02: ISEF>1 Direction:   Non Directional
        32.03: ISEF>1 Current:     15.00 A
        32.04: ISEF>1 T. Delay:    40.00 ms
        32.09: ISEF>2 Function:    Disabled
        32.10: GROUP 1 WATTMETRIC SEF:
        32.11: P0> Function:       Disabled
GROUP 1 NEG SEQ O/C
        33.01: I2>1 Status:        DT
        33.02: I2>1 Current Set:   18.75 A
        33.03: I2>1 Time Delay:    3.000 s
        33.04: I2>2 Status:        Disabled
GROUP 1 STALL DETECTION
        39.01: Prolonged Start:    Enabled
        39.02: Start Criteria:     52a
        39.03: Starting Current:   225.0 A
        39.04: Prol. Start Time:   5.000 s
        39.05: Stall Rotor-strt:   Disabled
        39.06: Stall Detection:    Enabled
        39.07: Stall Setting:      225.0 A
        39.08: Stall Time:         3.000 s
        39.09: Reacceleration:     Enabled
        39.0A: Reac. Low V Set:    11.50 kV
        39.0B: LV Ride Thru:       Disabled
GROUP 1 LIMIT NB STARTS
        3C.01: Hot Start Status:   Enabled
        3C.02: Hot Start Nb.:      1
        3C.03: Cold Start Stat.:   Enabled
        3C.04: Cold Start Nb.:     3
        3C.05: Supervising Time:   60.00 min
        3C.06: T.Betw.St.Status:   Disabled
        3C.08: Inhib.Start Time:   30.00 min
GROUP 1 VOLT PROTECTION
        42.01: GROUP 1 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:    3450 V
        42.06: V<1 Time Delay:     500.0 ms
        42.09: V<2 Status:         DT
        42.0A: V<2 Voltage Set:    12.42 kV
        42.0B: V<2 Time Delay:     250.0 ms
        42.0C: Inhib.During St.:   Disabled
        42.0D: GROUP 1 OVERVOLTAGE:
        42.0E: V> Measur't Mode:   Phase-Phase
        42.0F: V> Operate Mode:    Any Phase
        42.10: V>1 Status:         Disabled
        42.14: V>2 Status:         Disabled
GROUP 1 RTD PROTECTION
        44.01: Select RTD:         0000111111
```

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Número de modelo:

```
44.03: RTD 1 Alarm Set:  130.0 Cel
44.04: RTD 1 Alarm Dly:  5.000 s
44.05: RTD 1 Trip Set:   155.0 Cel
44.06: RTD 1 Trip Dly:   3.000 s
44.08: RTD 2 Alarm Set:  130.0 Cel
44.09: RTD 2 Alarm Dly:  5.000 s
44.0A: RTD 2 Trip Set:   155.0 Cel
44.0B: RTD 2 Trip Dly:   3.000 s
44.0D: RTD 3 Alarm Set:  130.0 Cel
44.0E: RTD 3 Alarm Dly:  5.000 s
44.0F: RTD 3 Trip Set:   155.0 Cel
44.10: RTD 3 Trip Dly:   3.000 s
44.12: RTD 4 Alarm Set:  130.0 Cel
44.13: RTD 4 Alarm Dly:  5.000 s
44.14: RTD 4 Trip Set:   155.0 Cel
44.15: RTD 4 Trip Dly:   3.000 s
44.17: RTD 5 Alarm Set:  130.0 Cel
44.18: RTD 5 Alarm Dly:  5.000 s
44.19: RTD 5 Trip Set:   155.0 Cel
44.1A: RTD 5 Trip Dly:   3.000 s
44.1C: RTD 6 Alarm Set:  130.0 Cel
44.1D: RTD 6 Alarm Dly:  5.000 s
44.1E: RTD 6 Trip Set:   155.0 Cel
44.1F: RTD 6 Trip Dly:   3.000 s
44.34:  Ext.Temp.Influen: Disabled
44.50: RTD Type:         PT100
44.51: RTD Unit: Celcius
GROUP 1 CB FAIL
45.01: GROUP 1 CB FAIL:
45.02: CB Fail 1 Status:    Disabled
45.08: GROUP 1 UNDER CURRENT:
45.09: I< Current Set:   9.000 A
GROUP 1 INPUT LABELS
4A.01: Opto Input 1:     52 Fechado
4A.02: Opto Input 2:     52 Aberto
4A.03: Opto Input 3:     OPTO 3
4A.04: Opto Input 4:     OPTO 4
4A.05: Opto Input 5:     OPTO 5
4A.06: Opto Input 6:     OPTO 6
4A.07: Opto Input 7:     OPTO 7
4A.08: Opto Input 8:     OPTO 8
GROUP 1 OUTPUT LABELS
4B.01: Relay 1:   50 BF
4B.02: Relay 2:   Desliga sub tens
4B.03: Relay 3:   Trip rele 86
4B.04: Relay 4:   Sel Log 00-MF-24
4B.05: Relay 5:   Sel Log MF-1C
4B.06: Relay 6:   RELAY 6
4B.07: Relay 7:   Bloq fech 52-02
GROUP 1 RTD LABELS
4C.01: RTD 1:     RTD 1 - FASE R
4C.02: RTD 2:     RTD 2 - FASE S
4C.03: RTD 3:     RTD 3 - FASE T
4C.04: RTD 4:     RTD 4 - FASE R
4C.05: RTD 5:     RTD 5 - FASE S
4C.06: RTD 6:     RTD 6 - FASE T
```