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File: P122 52-MF-03B1_2021-03-17.set

📁 OP PARAMETERS
  010A: Reference:3B.1
  0104: Frequency:60Hz
  🔒 0005: Software Version: 6.G
📁 CONFIGURATION
  📁 DISPLAY
    0109: Default Display: RMS Ie
    0105: Phase A Text: R
    0106: Phase B Text: S
    0107: Phase C Text: T
    0108: E/Gnd Text: N
  📁 CT RATIO
    0120: Line CT primary: 1500
    0121: Line CT sec: 5
    0122: E/Gnd CT primary: 1500
    0123: E/Gnd CT sec: 5
  📁 LED 5
    0150: LED 5 part 1:
      ☐ I>
      ☒ tI>
      ☐ I>>
      ☐ tI>>
      ☐ I>>>
      ☐ tI>>>
      ☐ Ie>
      ☒ tIe>
      ☐ Ie>>
      ☒ tIe>>
      ☐ Ie>>>
      ☐ tIe>>>
      ☐ Therm Trip
      ☐ tI2>
      ☐ Brkn Cond.
      ☐ CB Fail
    0154: LED 5 part 2:   No
      ☐ Input 1
      ☐ Input 2
      ☐ Input 3
      ☐ tAux1
      ☐ tAux2
      ☐ tI2>>
  📁 LED 6
    0151: LED 6 part 1:   No
      ☐ I>
      ☐ tI>
      ☐ I>>
      ☐ tI>>
      ☐ I>>>
      ☐ tI>>>
      ☐ Ie>
      ☐ tIe>
      ☐ Ie>>
      ☐ tIe>>
      ☐ Ie>>>
      ☐ tIe>>>
      ☐ Therm Trip
      ☐ tI2>
      ☐ Brkn Cond.
      ☐ CB Fail
    0155: LED 6 part 2:   No
      ☐ Input 1
      ☐ Input 2
      ☐ Input 3
      ☐ tAux1

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- ☐ tAux2
- ☐ tI2>>

📁 LED 7
- 0152: LED 7 part 1:   No
  - ☐ I>
  - ☐ tI>
  - ☐ I>>
  - ☐ tI>>
  - ☐ I>>>
  - ☐ tI>>>
  - ☐ Ie>
  - ☐ tIe>
  - ☐ Ie>>
  - ☐ tIe>>
  - ☐ Ie>>>
  - ☐ tIe>>>
  - ☐ Therm Trip
  - ☐ tI2>
  - ☐ Brkn Cond.
  - ☐ CB Fail
- 0156: LED 7 part 2:   No
  - ☐ Input 1
  - ☐ Input 2
  - ☐ Input 3
  - ☐ tAux1
  - ☐ tAux2
  - ☐ tI2>>

📁 LED 8
- 0153: LED 8 part 1:
  - ☐ I>
  - ☐ tI>
  - ☐ I>>
  - ☐ tI>>
  - ☐ I>>>
  - ☐ tI>>>
  - ☐ Ie>
  - ☐ tIe>
  - ☐ Ie>>
  - ☐ tIe>>
  - ☐ Ie>>>
  - ☐ tIe>>>
  - ☐ Therm Trip
  - ☐ tI2>
  - ☐ Brkn Cond.
  - ☒ Cb Fail
- 0157: LED 8 part 2:   No
  - ☐ Input 1
  - ☐ Input 2
  - ☐ Input 3
  - ☐ tAux1
  - ☐ tAux2
  - ☐ tI2>>

📁 GROUP SELECT
- 0142: Group Change: Pulse
- 🏠 0140: Group: 1

📁 ALARM
- 0141: Self-Acknowledge Instantly: No
- 0144: LED Acknowledge on Fault: Yes
- 0143: Battery Alarm: Yes

📁 LOGIC INPUT
- 010D: Rising Edge / High Level:
  - ☒ Input 1
  - ☒ Input 2
  - ☒ Input 3
- 010F: Logic Input Voltage: DC

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MAINTENANCE
    0402: CMD RELAYS: No
       ☐ Relay 1
       ☐ Relay 2
       ☐ Relay 3
       ☐ Relay 4
       ☐ Relay WD
       ☐ Relay 5
       ☐ Relay 6
PHASE ROTATION
    012F: Phase Rotation: A_B_C
PROTECTION G1
    [50/51] PHASE OC
       0200: Function I>:   Yes
       0201: I>:   0.63In
       0202: Delay Type: IDMT
       0203: Idmt: SI (IEC)
       0204: Tms: 0.500
       0209: t Reset: 0.04s
       0210: Function I>>:   No
       0220: Function I>>>:   No
    [50N/51N] E/Gnd
       0230: Function Ie>:   Yes
       0231: Ie>:   0.630Ien
       0232: Delay Type: IDMT
       0233: Idmt: SI (IEC)
       0234: Tms: 0.500
       0239: t Reset: 0.04s
       0240: Function Ie>>:   Yes
       0241: Ie>>:   2.000Ien
       0243: Delay Type: DMT
       0242: tIe>>:   0.10s
       0249: tReset: 0.04s
       0250: Function Ie>>>:   No
    [46] NEG SEQ OC
       025C: Function I2>:   No
       0266: Function I2>>:   No
    [49] THERM OL
       0253: Therm OL ?:   No
    [37] UNDER CURRENT
       025A: Function I<:   No
PROTECTION G2
    [50/51] PHASE OC
       0300: Function I>:   No
       0310: Function I>>:   No
       0320: Function I>>>:   No
    [50N/51N] E/Gnd
       0330: Function Ie>:   No
       0340: Function Ie>>:   No
       0350: Function Ie>>>:   No
    [46] NEG SEQ OC
       035C: Function I2>:   No
       0366: Function I2>>:   No
    [49] THERM OL
       0353: Therm OL ?:   No
    [37] UNDER CURRENT
       035A: Function I<:   No
AUTOMAT.CTRL
    TRIP COMMANDS
       0180: Trip Commands:
       ☒ tI>
       ☐ tI>>

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- ☐ tI>>>
- ☒ tIe>
- ☒ tIe>>
- ☐ tIe>>>
- ☐ tI<
- ☐ Thermal Teta
- ☐ Brkn. Cond
- ☐ tAux1
- ☐ tAux2
- ☐ tI2>
- ☐ tI2>>
- ☐ tAux3
- ☐ CB Fail

📁 LATCH FUNCTIONS
   0181: Latch Functions: No
- ☐ tI>
- ☐ tI>>
- ☐ tI>>>
- ☐ tIe>
- ☐ tIe>>
- ☐ tIe>>>
- ☐ tI<
- ☐ Thermal Teta
- ☐ Brkn. Cond
- ☐ tAux1
- ☐ tAux2
- ☐ tI2>
- ☐ tI2>>
- ☐ tAux3
- ☐ CB Fail

📁 BLOCKING LOGIC 1
   0182: Blocking Logic 1:   No
- ☐ tI>
- ☐ tI>>
- ☐ tI>>>
- ☐ tIe>
- ☐ tIe>>
- ☐ tIe>>>
- ☐ Thermal Teta
- ☐ Brkn. Cond
- ☐ tAux1
- ☐ tAux2
- ☐ tI2>
- ☐ tI2>>
- ☐ tAux3

📁 BLOCKING LOGIC 2
   0183: Blocking Logic 2:   No
- ☐ tI>
- ☐ tI>>
- ☐ tI>>>
- ☐ tIe>
- ☐ tIe>>
- ☐ tIe>>>
- ☐ Thermal Teta
- ☐ Brkn. Cond
- ☐ tAux1
- ☐ tAux2
- ☐ tI2>
- ☐ tI2>>
- ☐ tAux3

📁 LOGIC SELECT.1
   018C: Logic Select 1:
- ☐ tI>>
- ☐ tI>>>
- ☒ tIe>>

```
              □ tIe>>>
        018D: t Sel 1:    0.90s
   📁 LOGIC SELECT.2
        018E: Logic Select 2:     No
              □ tI>>
              □ tI>>>
              □ tIe>>
              □ tIe>>>
        018F: t Sel 2:    0.00s
   📁 OUTPUT RELAYS
        0171: Trip:
              □ Output RL2
              □ Output RL3
              ☒ Output RL4
              □ Output RL5
              □ Output RL6
        0178: I>:       No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        0172: tI>:       No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        0179: I>>:       No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        0173: tI>>:      No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        017A: I>>>:      No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        0174: tI>>>:     No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        017B: Ie>:       No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        0175: tIe>:      No
              □ Output RL2
              □ Output RL3
              □ Output RL4
              □ Output RL5
              □ Output RL6
        017C: Ie>>:      No
```

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- ☐ Output RL2
- ☐ Output RL3
- ☐ Output RL4
- ☐ Output RL5
- ☐ Output RL6
- 0176: tIe>>:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 017D: Ie>>>:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 0177: tIe>>>:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 0167: tI<:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 0168: tI2>:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 014A: tI2>>:   No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 0169: Therm Alarm: No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 016A: Therm Trip: No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 016E: CB Alarm: No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6
- 016F: 52 Fail: No
  - ☐ Output RL2
  - ☐ Output RL3
  - ☐ Output RL4
  - ☐ Output RL5
  - ☐ Output RL6

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0166: CB Fail:
  ☐ Output RL2
  ☒ Output RL3
  ☐ Output RL4
  ☒ Output RL5
  ☒ Output RL6
016B: CB close: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
016C: tAux1:   No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
016D: tAux2:   No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
01B1: tAux3:   No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
0165: Brkn.Cond:No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
01A9: Order 1 comm: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
01AA: Order 2 comm: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
01AB: Order 3 comm: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
01AC: Order 4 comm: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5
  ☐ Output RL6
0170: Active Group: No
  ☐ Output RL2
  ☐ Output RL3
  ☐ Output RL4
  ☐ Output RL5

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- ☐ Output RL6
- 📁 LATCH OUTPUT
    - 011F: Latch Ouput Relays: No
        - ☐ Output RL2
        - ☐ Output RL3
        - ☐ Output RL4
        - ☐ Output RL5
        - ☐ Output RL6
- 📁 INPUTS
    - 0160: Input 1:   Log Sel 1
    - 0161: Input 2:   See below
    - 015C: Input 2:   None
    - 0162: Input 3:   See below
    - 015D: Input 3:   None
    - 019B: tAux1:   0.00s
    - 019C: tAux2:   0.00s
    - 01B3: tAux3:   0.00s
- 📁 BROCKEN COND.
    - 0184: Brkn. Cond. ?:   No
- 📁 COLD LOAD PU
    - 0186: Cold Load Pu ?:   No
- 📁 CB FAIL
    - 018A: CB Fail ?: Yes
    - 01A4: I<:   5% In
    - 018B: CB Fail Time TBF: 0.20s
    - 01A5: Bloc I>:   No
    - 01A6: Bloc Ie>: No
- 📁 CB SUPERVISION
    - 01A2: TC Supervison: No
    - 0193: CB Open S`vision: No
    - 01A1: CB Close S`vision: No
    - 0195: CB Open Alarm ?:   No
    - 0197: SAmps (n) ?:   No
    - 01A0: tClose Pulse: 0.10s
    - 019F: tOpen Pulse: 0.10s
- 📁 RECORDS
- 📁 FAULT RECORD
    - 010C: Record Number: 5 (The newest)
- 📁 OCEF START
    - 010E: Fault Number: 5 (The newest)
- 📁 DISTURB RECORD
    - 0190: Pre-Time: 1.5s
    - 0191: Post-Time: 0.5s
    - 0192: Disturb Rec Trig: ON INST.
- 📁 TIME PEAK VALUE
    - 019D: Time Window: 5mn
- 📁 ROLLING DEMAND
    - 01A7: Under-Period: 1mn
    - 01A8: Under-Period Quantity: 1