



OP PARAMETERS

- 0000: TYPE =: P220-2
- 010A: REFERENCE =: MF05
- 0005: SOFTWARE VERSION: 6.A
- 0104: FREQUENCY =: 60Hz

CONFIGURATION

- CONFIG. SELECT**
 - 0118: Change Group Input: EDGE
 - 0109: SETTING GROUP: 1
 - 0105: DEFAULT DISPLAY: IB RMS
 - 0106: START DETECTION: 52A
 - 0107: ANALOG OUTPUT: 4-20 mA
 - 0108: DATA TYPE ANALOG: IB RMS
- CT RATIO**
 - 0120: PRIM PH =: 100
 - 0121: SEC PH =: 5
 - 0122: PRIM E =: 50
 - 0123: SEC E =: 5
- LED 5**
 - 0150: LED 5: No
 - teta ALARM ?
 - THERM OVERLOAD ?
 - tl0> ?
 - tl0>> ?
 - tl> ?
 - tl2> ?
 - tl2>> ?
 - tl< ?
 - EXCES LONG START ?
 - tlstall ?
 - LOCKED ROTOR ?
 - EMERG RESTART ?
 - FORBIDDEN START ?
 - EXT 1 ?
 - EXT 2 ?
 - MOTOR STOPPED ?
 - MOTOR RUNNING ?
 - SUCCESFUL START ?
- LED 6**
 - 0152: LED 6:
 - teta ALARM ?
 - THERM OVERLOAD ?
 - tl0> ?
 - tl0>> ?
 - tl> ?
 - tl2> ?
 - tl2>> ?
 - tl< ?
 - EXCES LONG START ?
 - tlstall ?
 - LOCKED ROTOR ?
 - EMERG RESTART ?
 - FORBIDDEN START ?
 - EXT 1 ?
 - EXT 2 ?
 - MOTOR STOPPED ?
 - MOTOR RUNNING ?
 - SUCCESFUL START ?
- LED 7**
 - 0154: LED 7: No
 - teta ALARM ?
 - THERM OVERLOAD ?
 - tl0> ?
 - tl0>> ?



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Model Number:

	<input type="checkbox"/> tl>> ? <input type="checkbox"/> tl2> ? <input type="checkbox"/> tl2>> ? <input type="checkbox"/> tl< ? <input type="checkbox"/> EXCES LONG START ? <input type="checkbox"/> tlstall ? <input type="checkbox"/> LOCKED ROTOR ? <input type="checkbox"/> EMERG RESTART ? <input type="checkbox"/> FORBIDDEN START ? <input type="checkbox"/> EXT 1 ? <input type="checkbox"/> EXT 2 ? <input type="checkbox"/> MOTOR STOPPED ? <input type="checkbox"/> MOTOR RUNNING ? <input type="checkbox"/> SUCCESFUL START ?
LED 8	0156: LED 8: <input type="checkbox"/> teta ALARM ? <input type="checkbox"/> THERM OVERLOAD ? <input type="checkbox"/> tl0> ? <input checked="" type="checkbox"/> tl0>> ? <input type="checkbox"/> tl>> ? <input type="checkbox"/> tl2> ? <input type="checkbox"/> tl2>> ? <input type="checkbox"/> tl< ? <input type="checkbox"/> EXCES LONG START ? <input type="checkbox"/> tlstall ? <input type="checkbox"/> LOCKED ROTOR ? <input type="checkbox"/> EMERG RESTART ? <input type="checkbox"/> FORBIDDEN START ? <input type="checkbox"/> EXT 1 ? <input type="checkbox"/> EXT 2 ? <input type="checkbox"/> MOTOR STOPPED ? <input type="checkbox"/> MOTOR RUNNING ? <input type="checkbox"/> SUCCESFUL START ?
LOGIQ INPUTS	0114: Pulse up: <input checked="" type="checkbox"/> Input 1 <input checked="" type="checkbox"/> Input 2 <input checked="" type="checkbox"/> Input 3 <input checked="" type="checkbox"/> Input 4 <input checked="" type="checkbox"/> Input 5
PROTECTION G1	[49] THERMAL OVERLOAD 0200: THERMAL OVERLOAD FUNCT ?: YES 0201: teta INHIBIT ?: NO 0202: Iteta> =: 0.30In 0203: Ke =: 3 0204: Te1 =: 15mn 0205: Te2 =: 133mn 0206: Tr =: 126mn 0208: teta ALARM ?: YES 0209: teta ALARM =: 94% 020A: teta FORBID START ?: YES 020B: teta FORBID START =: 93%
	[50/51] SHORT-CIRCUIT 0210: I>> FUNCTION ?: YES 0211: I>> =: 3.9In 0212: tl>> =: 10.00s
	[50N/51N] EARTH FAULT 0220: IO> FUNCTION ?: NO 0223: IO>> FUNCTION ?: YES 0224: IO>> =: 0.300Ien 0225: tl0>> =: 0.04s
	[46] UNBALANCE



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0230: I2> FUNCTION ?: YES
0231: I2> =: 0.075In
0232: tI2> =: 3.00s
0233: I2>> FUNCTION: NO
[48] EXCES LONG START
0240: EXCES LONG START FUNCT ?: YES
0241: Istart DETECTION =: 2.0Ith
0242: tIstart =: 15s
[51LR-51S] BLOCK ROTOR
0244: BLOCKED ROTOR FUNCT ?: YES
0245: tIstall =: 2.0s
0246: STALLED ROTOR ?: YES
0247: Istall DETECTION =: 2.0Ith
0248: LOCK ROTOR AT START ?: NO
[37] LOSS OF LOAD
0250: I< FUNCTION ?: NO
PROTECTION G2
[49] THERMAL OVERLOAD
0300: THERMAL OVERLOAD FUNCT ?: NO
[50/51] SHORT-CIRCUIT
0310: I>> FUNCTION ?: NO
[50N/51N] EARTH FAULT
0320: IO> FUNCTION ?: NO
0323: IO>> FUNCTION ?: NO
[46] UNBALANCE
0330: I2> FUNCTION ?: NO
0333: I2>> FUNCTION: NO
[48] EXCES LONG START
0340: EXCES LONG START FUNCT ?: NO
[51LR-51S] BLOCK ROTOR
0344: BLOCKED ROTOR FUNCT ?: NO
[37] LOSS OF LOAD
0350: I< FUNCTION ?: NO
AUTOMAT. CTRL
[66] START NUMBER
01D3: START NB LIMITAT FUNCT ?: YES
01D4: Treference =: 60mn
01D5: HOT START NB =: 2
01D6: COLD START NB =: 3
01D7: Tinterdiction =: 30mn
[MIN TIME BETW 2 START]
01D8: TIME BETW START FUNCT ?: NO
REACCEL AUTHORIZ
01DA: REACCEL AUTHORIZ FUNCT ?: NO
INPUTS
0160: INPUT 3 =:
 EMERG_ST.
 SET GROUP
 VOLT_DIP
 DIST TRIG
 EXT RESET
 EXT 1
 EXT 2
 EXT 3
 EXT 4
0161: INPUT 4 =: No
 EMERG_ST.
 SET GROUP
 VOLT_DIP
 DIST TRIG
 EXT RESET
 EXT 1

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Model Number:

- EXT 2
- EXT 3
- EXT 4
- 0162: INPUT 5 =: No
 - EMERG_ST.
 - SET GROUP
 - VOLT_DIP
 - DIST TRIG
 - EXT RESET
 - EXT 1
 - EXT 2
 - EXT 3
 - EXT 4
- 01E5: EXT 1 =: 0.00s
- 01E6: EXT 2 =: 0.00s
- 01EA: EXT 3 =: 0.00s
- 01EB: EXT 4 =: 0.00s
- AND LOGIC EQUAT**
- 01A0: THERM OV.: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A1: theta ALARM: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A2: theta FORBID. START: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A7: I>>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A8: tI>>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A3: IO>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A4: tIO>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A5: IO>>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A6: tIO>>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01A9: tI2>: No
 - And logic equation A



Settings File Report

Substation:

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Model Number:

- And logic equation B
- And logic equation C
- And logic equation D
- 01AA: tI2>>: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01AB: EXCEX LG START: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01AC: tIstall: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01AD: LOCKED ROTOR: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01AE: tI<: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01AF: START NB LIMIT: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01B0: Tbetw 2 start: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01BF: EXT 1: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01C0: EXT 2: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01C2: EXT 3: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01C3: EXT 4: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D
- 01C1: SUCCESS START: No
 - And logic equation A
 - And logic equation B
 - And logic equation C
 - And logic equation D



AND LOGIC EQUAT T DELAY

01F0: EQU. A Toperat =: 0.0s



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Model Number:

01F1: EQU. A Treset =: 0.0s
 01F2: EQU. B Toperat =: 0.0s
 01F3: EQU. B Treset =: 0.0s
 01F4: EQU. C Toperat =: 0.0s
 01F5: EQU. C Treset =: 0.0s
 01F6: EQU. D Toperat =: 0.0s
 01F7: EQU. D Treset =: 0.0s

AUX OUTPUT RLY

0170: THERM OV.: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0171: teta ALARM: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0172: teta FORBID. START:

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0177: I>>:

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0178: tI>>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0173: IO>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0174: tIO>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0175: IO>>:

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0176: tIO>>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0179: tI2>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

017A: tI2>>: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

017B: EXCES LG START: No

- Logical output 2



Settings File Report

Substation:

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Model Number:

- Logical output 3
- Logical output 4
- Logical output 5
- 017C: tIstall: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 017D: LOCKED ROTOR: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 017E: tI<: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 017F: START NB LIMIT:
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0180: T betw 2 start: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 018F: EXT 1:
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0190: EXT 2: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 019D: EXT 3: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 019E: EXT 4: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0191: CLOSE ORDER: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0192: TRIP ORDER: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0193: ORDER 1: No
 - Logical output 2
 - Logical output 3
 - Logical output 4
 - Logical output 5
- 0194: ORDER 2: No
 - Logical output 2



Settings File Report

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Model Number:

- Logical output 3
- Logical output 4
- Logical output 5

0195: SUCCESS START: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0196: t EQU.A: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0197: t EQU.B: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0198: t EQU.C: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

0199: t EQU.D: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

019A: SW OPER TIME: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

019B: SW OPER NB: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

019C: SAn: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

016F: Active group: No

- Logical output 2
- Logical output 3
- Logical output 4
- Logical output 5

TRIP OUTPUT RLY

01D0: TRIP RLY SETTINGS:

- tl>> ?
- tl0> ?
- tl0>> ?
- tl2> ?
- tl< ?
- THERM OVERLOAD ?
- EXCES LONG START ?
- tlbloq ?
- LOCKED ROTOR ?

01D1: TRIP RLY SETTINGS 2: No

- tl2>> ?
- EXT 1 ?
- EXT 2 ?
- EQUATION A ?
- EQUATION B ?



Settings File Report

Substation:

File: P220_52-MK-02A_2020-07-08.set

Model Number:

	<input type="checkbox"/> EQUATION C ?
	<input type="checkbox"/> EQUATION D ?
LATCH TRIP ORDER	
01D2: LATCH TRIP ORDER:	No
<input type="checkbox"/> LATCH t1>>	
<input type="checkbox"/> LATCH t0>>	
<input type="checkbox"/> LATCH t2>>	
<input type="checkbox"/> LATCH EQU. A?	
<input type="checkbox"/> LATCH EQU. B?	
<input type="checkbox"/> LATCH EQU. C?	
<input type="checkbox"/> LATCH EQU. D?	
SW SUPERVISION	
01DC: SW OPERATING TIME ?:	NO
01DE: SW OPERATION NB ?:	YES
01DF: SW OPERATION NB =:	20
01E0: SAn ?:	NO
01E3: TRIP T =:	1.00s
01E4: CLOSE T =:	1.00s
LATCH OUTPUT RLY	
0115: Latch:	No
<input type="checkbox"/> Output 2	
<input type="checkbox"/> Output 3	
<input type="checkbox"/> Output 4	
<input type="checkbox"/> Output 5	
RECORD	
FAULT RECORD	
010C: FAULT NUMBER:	5
DISTURB RECORD	
01E7: PRE-TIME =:	2.5s
01E8: POST-TIME =:	0.5s
01E9: DISTURB REC TRIG =:	ON TRIP