



Settings File Report

Substation:

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

Model Number:

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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.....	<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"/>	SUCCESSFUL 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"/>	SUCCESSFUL 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: tI>> =:	10.00s
.....		[50N/51N] EARTH FAULT	
.....		0220: I0> FUNCTION ?:	NO
.....		0223: I0>> FUNCTION ?:	YES
.....		0224: I0>> =:	0.300Ien
.....		0225: tI0>> =:	0.04s
.....		[46] UNBALANCE	



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Model Number:

	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: I0> FUNCTION ?:	NO
	0323: I0>> 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 =:	
	<input type="checkbox"/> EMERG_ST.	
	<input type="checkbox"/> SET GROUP	
	<input type="checkbox"/> VOLT_DIP	
	<input type="checkbox"/> DIST TRIG	
	<input type="checkbox"/> EXT RESET	
	<input checked="" type="checkbox"/> EXT 1	
	<input type="checkbox"/> EXT 2	
	<input type="checkbox"/> EXT 3	
	<input type="checkbox"/> EXT 4	
	0161: INPUT 4 =:	No
	<input type="checkbox"/> EMERG_ST.	
	<input type="checkbox"/> SET GROUP	
	<input type="checkbox"/> VOLT_DIP	
	<input type="checkbox"/> DIST TRIG	
	<input type="checkbox"/> EXT RESET	
	<input type="checkbox"/> 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: teta ALARM: No

☐ And logic equation A☐ And logic equation B☐ And logic equation C☐ And logic equation D

01A2: teta 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




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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



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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



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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 ?

