

	PT PLN (PERSERO) Transmisi Jawa Bagian Barat	Doc. No.	
	APP Cawang	Valid.	Maret 2018

DAFTAR SETELAN RELE PROTEKSI GI 150 KV JATIRANGON

1. Proteksi : Penghantar 150 KV arah MINIATUR

Jenis relai : Distance Relay
 Merek/Tipe relai : ALSTHOM / MICOM P443
 LOKASI : GI JATIRANGON
 PROTEKSI : Bay OHL MINIATUR
 L1, L2 : 10.062 km, 9.39 km
 L3, L4 : 10.46 km, 10.4 km
 Penghantar : OHL-150KV-DRAKE 2X468.5mm
 CCC : 1560 A
 Z0 : 0.189 +j 0.842 Ω/km
 Z1 : 0.0411 +j 0.2812 Ω/km
 Z2 : 0.0361 +j 0.2375 Ω/km
 Z3 : 0.0387 +j 0.2807 Ω/km
 Z4 : 0.0387 +j 0.2807 Ω/km
 XT : 12.5 % ; 60 MVA ; 46.875 Ω (at 150 kV side)
 CT : 2400 A / 5 A
 PT : 150 KV / 100 Volt
 SCHEME : PUTT

Address	Name	Value	Address	Name	Value
CB CONTROL					
07.0C	Single Pole A/R	Enabled	07.11	CB Status Input	52B 1 pole
07.0D	Three Pole A/R	Disabled			
CONFIGURATION					
09.03	Active Settings	Group 1	09.21	Supervision	Enabled
09.07	Setting Group 1	Enabled	09.23	System Checks	Enabled
09.0B	Distance	Enabled	09.24	Auto-Reclose	Disabled
09.12	Broken Conductor	Enabled	09.2B	Measure't Setup	Visible
09.18	PowerSwing Block	Enabled	09.2E	Setting Values	Secondary
CT AND VT RATIOS					
0A.01	Main VT Primary	150.0 kV	0A.07	Phase CT Primary	2400 A
0A.02	Main VT Sec'y	100.0 V	0A.08	Phase CT Sec'y	5.000 A
0A.03	CS VT Primary	150.0 kV	0A.0F	CS Input	BN
0A.04	CS VT Secondary	100.0 V	0A.10	Main VT Location	Line
MEASURE'T SETUP					
0D.01	Default Display	Power	0D.05	Measurement Mode	0
0D.02	Local Values	Secondary	0D.09	Distance Unit	Kilometres
0D.03	Remote Values	Secondary	0D.0A	Fault Location	Distance
OPTO CONFIG					
11.01	Global Nominal V	110/125V	11.80	Characteristic	Standard 60%-80%
GROUP 1 LINE PARAMETERS					
30.01	Line Length	10.062 km	30.07	Mutual Comp	Disabled
30.03	Line Impedance	0.912 Ohm	30.0B	Phase Sequence	Standard ABC
30.04	Line Angle	82.15 deg	30.0C	Tripping Mode	1 and 3 Pole
30.05	kZN Res Comp	0.684	30.10	Line Charging Y	2.000 mS
30.06	kZN Res Angle	-7.11 deg			

1 / 4	Daftar Setelan Rele Proteksi GI 150 KV JATIRANGON	Dibuat : YUNITA	Diperiksa : SUTRISNO	Disetujui : RAENAL
Rev. 00		Tgl: 6/3/18	Tgl:	Tgl: 6/3/18