

# LAMPIRAN

## Over Current Relay pada Gardu Induk Wirobrajan



# Spesifikasi Transformator 1 Gardu Induk Wirobrajan



## POWER TRANSFORMER

SERIAL NUMBER: 96P0025    CONTRACT No.: Q23.PJP/922/1995/M

YEAR OF MANUF: 1996

STANDARD: IEC 76    TEMP. RISE BELOW 1000m ALTITUDE: 53 K

RATED POWER: 60 MVA    AVERAGE WIND: 58 K

COOLING: ONAN/ONAF 70/100 %    VACUUM - TANK: 100 %

FREQUENCY: 50 Hz    WITHSTAND - CONSERVATOR: 100 %

PHASES: 3    CAPABILITY - RADIATOR: 100 %

INSULATION LEVELS: LI 650 AC 275- / LI - AC 38 / LI 125 AC 50 / LI - AC 38    TYPE OF OIL: SHELL DIALA B

CONNECTION SYMBOL: YNyn0-d

MAX. ALTITUDE: 1000 m

TAP CHANGER: MR - MS 111 300 - 72.5 + MA9

TAP	VOLT	MVA	SHORT CIRCUIT IMPEDANCE (%)
1	165750	20000	19.77
B	150000	20000	19.82
18	127500	20000	19.80

HIGH VOLTAGE-TERMINALS : 1U - 1V - 1W - 1N				
TAP	VOLT	AMPERE	MVA	CONNECTION TAP CHANGER
1	165750	210.7	60	2 - 13
2	163500	214.6	60	2 - 12
3	161250	218.6	60	2 - 11
4	159000	222.5	60	2 - 10
5	156750	226.4	60	2 - 9
6	154500	230.4	60	2 - 8
7	152250	234.3	60	2 - 7
8	150000	238.3	60	2 - 6
9a	147750	242.2	60	2 - 5
9b	147750	242.2	60	2 - 4
10	145500	246.1	60	2 - 3
11	143250	250.0	60	2 - 2
12	141000	254.0	60	2 - 1
13	138750	257.9	60	2 - 10
14	136500	261.8	60	2 - 9
15	134250	265.8	60	2 - 8
16	132000	269.7	60	2 - 7
17	129750	273.6	60	2 - 6
18	127500	277.5	60	2 - 5

  

LOW VOLTAGE-TERMINALS : 2U - 2V - 2W - 2N				
TAP	VOLT	AMPERE	MVA	
	20000	2700	60	

  

TERTIARY-TERMINALS :				
TAP	VOLT	AMPERE	MVA	
	18079	332.7	60	



Manufactured by PT. PAUWELS TRAFD AGIA under license of PAUWELS INTERNATIONAL N.V. Belgium  
MADE IN INDONESIA

1677/96P0025/A    1677/96P0025/B

18.07.2016 11:39

