

Distribution Transformer Technical Specification - Summary

Country FR CDC 8 Spec 86 Version 0

Customer Spec Nbr Ref Customer Spec

Description TRANSFO 400kVA 15-20/0.41kV

Customer

Project Number 0

Spec Generated Nbr FR080086

Offre / Final O

GENERAL DATA

Standard	IEC60076
Transformer / autotransformer	Transformer
Power	kVA 400
Number of phases	3
Frequency	Hz 50.00
Vector group	Dyn11
Installation altitude	m <1000
Installation type	Ground
Insulation liquid (Oil/Midel/Silicone)	Oil

TRANSFORMER CHARACTERISTICS

Impedance voltage	% 4.000
Tolerance on Impedance voltage	% 10
No load losses	W 930
Tolerance on no load losses	% 15
Load losses	W 5060
Tolerance on load losses	% 15
Tolerance on total losses	% 10

THERMAL CHARACTERISTICS

Cooling method	ONAN
Ambiant temperature	°C 40
Winding temperature rise	°C 65
Oil temperature rise	°C 60

MECHANICAL CHARACTERISTICS

Hermetically sealed/Breathing	Hermetically sealed
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Totally filled/gas cushion/conservator	Totally Filled
Corrugated tank / radiators	corrugated tank
Color	RAL 7033
DIMENSIONS AND WEIGHT	
Maximum length	mm
Maximum width	mm
Maximum height	mm
Maximum weight	Kg
WINDINGS	
HV WINDING 1	
Rated voltage	kV 15
Insulation level	kV 24
Withstand voltage	kV 38
Impulse voltage	kV 95
Connection	delta
Tapping steps	3.33
Winding Material (CU/AL)	Aluminium
HV WINDING 2	
Rated voltage	kV 20
Insulation level	kV 24
Withstand voltage	kV 50
Impulse voltage	kV 125
Connection	Delta
Number of tappings plus	2
Number of tappings minus	2

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Tapping steps	2.5
Winding Material (CU/AL)	Aluminium
LV WINDING 1	
Rated voltage (no load)	kV 0.41
Insulation level	kV 1.1
Withstand voltage	kV 3
Impulse voltage	kV na
Connection	Wye with neutral brought out
Tapping steps	NA
Winding Material (CU/AL)	Aluminium
BUSHINGS	
HV BUSHINGS	
Bushings type	Plug in bushing 24KV 250A
Number of bushings	3
Mounting (cover or side)	Cover Mounted
Cable box	N/A
Plug in Bushing interlock	yes
BUSHINGS	
LV BUSHINGS	
Bushings type	Busbar 1250 A
Number of bushings	4
Mounting (cover or side)	Cover Mounted
Cable box	Yes
ACCESSORIES	
Rollers	Rollers 125mm

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Oil level indicator	Included in DGPT2
Thermometer	Included in DGPT2
Winding thermometer	na
Pressure relief valve	na
DGPT2	Yes
Bucchohz relay	na
Silicagel breather	na
Draining device	Draining device Maier
Filling device	Filling plate
Additional thermometer pocket	na
Number of earthing terminals on cover	2
Number of earthing terminals on tank	2
Marshalling box (yes/no)	na
Tap Changer	5 positions
Coupling Changer	na
Drawing Number	