

	Three-phase hermetically sealed oil-immersed distribution transformer with Petersen coil 200kVA, 20.5/0.41kV/kV, ZNzn0	<b>CNT 200-20,5</b>

### TECHNICAL DATA

1.	Manufacturer		<b>KKMPower d.o.o, Serbia</b>	
2.	Transformer type		<b>Oil-immersed, hermetically sealed</b>	
3.	Product kind		<b>Distribution transformer, with Petersen coil</b>	
4.	Standard		<b>IEC 60076 (Group of standards)</b>	
5.	Product name		<b>CNT 200-20,5</b>	
<b>TRANSFORMER DATA</b>				
6.	Rated power	[kVA]	<b>200</b>	
7.	Number of phases		<b>3</b>	
8.	Rated frequency	[Hz]	<b>50</b>	
9.	Highest voltage of equipment	[kV]	<b>24</b>	
10.	Insulation level	[kV]	<b>LI 125 AC 50/LI 0 AC 10</b>	
11.	Rated primary voltage	[kV]	<b>20.5</b>	
12.	Regulation on primary side	Yes/No	<b>No</b>	
13.	Rated secondary voltage	[kV]	<b>0.41</b>	
14.	Connection group		<b>ZNzn0</b>	
15.	No-load losses	[W]	<b>400</b>	
16.	Load losses at 75°C	[W]	<b>3000</b>	
17.	Impedance voltage at 75°C	[%]	<b>4</b>	
<b>PETERSEN COIL DATA</b>				
18.	Highest voltage of equipment	[kV]	<b>24</b>	
19.	Insulation level	[kV]	<b>LI 125 AC 50</b>	
20.	Rated voltage	[kV]	<b>20.5/√3</b>	
21.	Maximum operating voltage	[kV]	<b>24/√3</b>	
22.	Tap position	Rated Power [kVAr]	Rated Current [A]	Rated Impedance [Ω]
	<b>1</b>	<b>60</b>	<b>5</b>	<b>2367</b>
	<b>2</b>	<b>89</b>	<b>7.5</b>	<b>1578</b>
	<b>3</b>	<b>119</b>	<b>10</b>	<b>1183</b>
	<b>4</b>	<b>148</b>	<b>12.5</b>	<b>947</b>
	<b>5</b>	<b>178</b>	<b>15</b>	<b>789</b>

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COMPOUND TRANSFORMER AND PETERSEN COIL DATA			
23.	R/X (at position 3, Rated Current=10A)	[%]	<b>Maximum 2.5</b>
24.	Linearity up to 1.1*Un( at position 3, Rated Current=10A)	[%]	<b>Maximum 1.0</b>
25.	Type of cooling		<b>ONAN</b>
26.	Instalation altitude	[m]	<b>&lt;1000</b>
27.	Winding material	Cu/Al	<b>Copper</b>
28.	Maximum temperature of ambient	[°C]	<b>40</b>
29.	Maximum temperature rise of winding	[K]	<b>65</b>
30.	Maximum temperature rise of oil	[K]	<b>60</b>
31.	Thermal class of insulation		<b>A</b>
32.	Instalation conditions		<b>Outdoor</b>
33.	Type of terminal connections		<b>HV: A,B,C-DIN 42531, N-Plug-in LV: DIN 42530</b>
34.	Approximate length of product	[mm]	<b>1060</b>
35.	Approximate width of product	[mm]	<b>1010</b>
36.	Approximate height of product	[mm]	<b>1380</b>
37.	Mass of oil in product	[kg]	<b>470</b>
38.	Total mass of product	[kg]	<b>1710</b>

Date: **03.05.2016.**

Performed by: **D.Kovinić**