KKM	Three-phase oil-immersed hermetically sealed distribution transformer with Petersen coil 100kVA, 20.5/0.41kV/kV, ZNzn0

TECHNICAL DATA

1.	Manufacturer		KKM Power d.o.o, Serbia
2.	Transformer type		Oil-immersed, hermetically sealed
3.	Product kind		Distribution transformer with Petersen coil within the same tank
4.	Standard		IEC 60076 (group of standards)
5.	Product name		**CNT 100 -20,5**
TRANSFORMER DATA			
6.	Rated power	[kVA]	100
7.	Number of phases		3
8.	Rated frequency	[Hz]	50
9.	Highest voltage of equipement	[kV]	24
10.	Insulation level	[kV]	LI 125 AC 50/LI0 AC10
11.	Rated primary voltage	[kV]	20.5
12.	Regulation on primary side	Yes/No	No
13.	Rated secondary voltage	[kV]	0.41
14.	Connection group		Znzn0
15.	No-load losses	[W]	210
16.	Load losses at 75°C	[W]	1950
17.	Impedance voltage at 75°C	[%]	4
PETERSEN COIL DATA			
18.	Highest voltage of equipement	[kV]	24
19.	Insulation level	[kV]	LI 125 AC 50
20.	Rated voltage	[kV]	20.5/√3
21.	Maximum operating voltage	[kV]	24/√3

22.	Tap position	Rated Power [kVAr]	Rated Current [A]	Rated Impedance [Ω]
	1	60	5	2367
	2	89	7.5	1578
	3	119	10	1183
	4	148	12.5	947
	5	178	15	789

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CONNECTION OF TRANSFORMER AND PETERSEN COIL DATA			
23.	R/X ratio at 75°C (at tap position 3, rated current 10A)	[%]	< 2.5
24.	Non-linearity up to 1.1xUn (at tap position 3, rated current 10A)	[%]	< 2.0
25.	Type of cooling		ONAN
26.	Instalation altitude	[m]	<1000
27.	Winding material	Cu/Al	Copper
28.	Maximum temperature of ambient	[°C]	40
29.	Maximum temperature rise of winding	[K]	65
30.	Maximum temperature rise of oil	[K]	60
31.	Thermal class of insulation		A
32.	Instalation conditions		Outdoor
33.	Type of terminal connections		HV: A,B,C-DIN 42531, N-Plug-in LV: DIN 42530
34.	Approximate length of product	[mm]	950
35.	Approximate width of product	[mm]	930
36.	Approximate height of product	[mm]	1380
37.	Mass of oil in product	[kg]	360
38.	Total mass of product	[kg]	1400