



Three-phase oil-immersed hermetically sealed  
earthing transformer with Petersen coil  
20.5kV, 25-50A, ZN

## TECHNICAL DATA

1.	Manufacturer		KKM Power d.o.o, Serbia
2.	Transformer type		Oil-immersed, hermetically sealed
3.	Product kind		Earthing transformer (Neutral coupler), with Petersen coil
4.	Standard		IEC 60076 (group of standards)
5.	Product name		<b>SUBcomp 20,5kV 25-50A</b>
EARTHING TRANSFORMER DATA			
6.	Number of phases		3
7.	Rated frequency	[Hz]	50
8.	Highest voltage of equipement	[kV]	24
9.	Insulation level	[kV]	LI 125 AC 50
10.	Rated primary voltage	[kV]	20.5
11.	Regulation on primary side	Yes/No	No
12.	Connection group		ZN
13.	No-load losses	[W]	320
PETERSEN COIL DATA			
14.	Highest voltage of equipement	[kV]	24
15.	Insulation level	[kV]	LI 125 AC 50
16.	Rated voltage	[kV]	$20.5/\sqrt{3}$
17.	Tap position	Rated Current [A]	Rated Impedance [ $\Omega$ ]
	1	25	473.4
	2	31.25	378.7
	3	37.50	315.6
	4	43.75	270.5
	5	50	236.7



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CONNECTION OF EARTHING TRANSFORMER AND PETERSEN COIL DATA			
18.	Fault duration	[min]	5
19.	R/X ratio at 75°C	[%]	< 2.5 (for each tap)
20.	Non-linearity up to 1.1xUn	[%]	< 2.0
21.	Type of cooling		ONAN
22.	Installation altitude	[m]	<1000
23.	Winding material	Cu/Al	Copper
24.	Maximum temperature of ambient	[°C]	40
25.	Maximum temperature rise of winding	[K]	65
26.	Maximum temperature rise of oil	[K]	60
27.	Thermal class of insulation		A
28.	Installation conditions		Outdoor
29.	Type of terminal connections		A,B,C,N-Plug-in
30.	Approximate length of product	[mm]	970
31.	Approximate width of product	[mm]	960
32.	Approximate height of product	[mm]	1150
33.	Mass of oil in product	[kg]	380
34.	Total mass of product	[kg]	1550