



Earthing transformer with Petersen coil
11kV, 25A, 31.25A, 37.5A, 43.75A, 50A, 75A, ZN

TECHNICAL DATA

1.	Manufacturer		KKM Power d.o.o, Serbia	
2.	Transformer type		Oil-immersed, hermetically sealed	
3.	Product kind		Earthing transformer with Petersen coil within the same tank	
4.	Standard		IEC 60076 (group of standards)	
5.	Product name		SUBcomp 11/25-75	
TRANSFORMER DATA				
6.	Rated power of secondary winding	[kVA]	-	
7.	Number of phases		3	
8.	Rated frequency	[Hz]	50	
9.	Highest voltage of equipment	[kV]	12	
10.	Insulation level	[kV]	LI 75 AC 28	
11.	Rated primary voltage	[kV]	11	
12.	Regulation on primary side	Yes/No	No	
13.	Connection group		ZN	
14.	No-load losses	[W]	320	
PETERSEN COIL DATA				
15.	Highest voltage of equipment	[kV]	12	
16.	Insulation level	[kV]	LI 75 AC 28	
17.	Rated voltage	[kV]	$11/\sqrt{3}$	
18.	Tap position	Rated Power [kVA _r]	Rated Current [A]	Rated Impedance [Ω]
	1	159	25	254
	2	198	31.25	203
	3	238	37.5	169
	4	278	43.75	145
	5	318	50	127
	6	476	75	85



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CONNECTION OF TRANSFORMER AND PETERSEN COIL DATA			
19.	Rated fault duration	[min]	≤ 5
20.	R_0/X_0 ratio at 75°C	[%]	< 2.5
21.	Non-linearity up to $1.1xU_r$	[%]	< 2.0
22.	Type of cooling		ONAN
23.	Installation altitude	[m]	< 1000
24.	Winding material	Cu/Al	Copper
25.	Maximum temperature of ambient	[°C]	40
26.	Maximum temperature rise of winding	[K]	65
27.	Maximum temperature rise of oil	[K]	60
28.	Thermal class of insulation		A
29.	Installation conditions		Outdoor
30.	Approximate length of product	[mm]	950
31.	Approximate width of product	[mm]	980
32.	Approximate height of product	[mm]	1350
33.	Mass of oil in product	[kg]	400
34.	Total mass of product	[kg]	1700
ACCESSORIES			
35.	HV phase plug-in bushing		EN 50180 24kV; 250A
36.	HV neutral plug-in bushing		EN 50180 24kV; 250A
37.	Reactor tap changer		Standard, offload
38.	Oil level indicator		Standard, vertical, for hermetically sealed tanks
39.	Contact thermometer		Standard
40.	Oil drain valve		Standard