



Three-phase hermetically sealed oil-immersed transformer + shunt reactor
100kVA+195kVAr, 22±2x2.5%/0.42kV 22kV,
Dyn11+YN

SHR-T 8/100-22

TECHNICAL DATA

1.	Manufacturer		KKMPower d.o.o, Serbia
2.	Product type		Oil-immersed, hermetically sealed
3.	Product kind		Distribution trafo and shunt reactor within the same tank
4.	Standard		IEC 60076 group of standards
5.	Product name		SHR-T 8/100-22
Transformer's 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/ LI 0 AC 10
11.	Rated primary voltage	[kV]	22±2x2.5%
12.	Rated secondary voltage	[kV]	0.42
13.	Connection symbol		Dyn11
14.	Load losses	[W]	≤1750
15.	No-load losses	[W]	≤210
16.	Short circuit impedance	[%]	4
Shunt's reactor data			
17.	Type of shunt reactor		A bank of three single-phase reactors coupled in YN vector group
18.	Rated power	[kVAr]	190
19.	Number of phases		3
20.	Rated frequency	[Hz]	50
21.	Highest voltage of equipement	[kV]	24
22.	Insulation level	[kV]	LI 125 AC 50
23.	Rated voltage	[kV]	$\frac{22}{\sqrt{3}}$
24.	Maximum operating voltage	[kV]	22
25.	Rated current	[A]	5.12
26.	Rated fault current	[A]	8.87
27.	Rated fault duration	[h]	2
28.	Rated reactance	[Ω/phase]	2512

KKM

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29.	Zero-sequence reactance	[Ω/phase]	2512
30.	R/X ratio at 75°C	[%]	<1.25
Temperature rises, conditions of use and installation			
31.	Type of cooling		ONAN
32.	Installation altitude	[m]	<1000
33.	Maximum temperature of ambient	[°C]	40
34.	Maximum temperature rise of winding	[K]	65
35.	Maximum temperature rise of oil	[K]	60
36.	Thermal class of insulation		A
37.	Installation conditions		Outdoor/Indoor
Approximate dimensions and masses			
38.	Approximate length of product	[mm]	1406
39.	Approximate width of product	[mm]	895
40.	Approximate height of product	[mm]	1182
41.	Mass of oil in product	[kg]	480
42.	Total mass of product	[kg]	1920