

KKM ab

General Data of Reactor			
1.	Manufacturer		KKM Power d.o.o, Serbia
2.	Reactor type		Oil-immersed, hermetically sealed
3.	Reactor kind		Shunt reactor. A bank of three separate single-phase reactor, mounted in the same tank and coupled in YN vector group, able to sustain earth-fault.
4.	Standard		IEC 60076-6 (Clause 7)
5.	Reactor name		SHR 8-22
6.	Number of phases		3
7.	Rated frequency	[Hz]	50
8.	Highest voltage of equipment	[kV]	24
9.	Insulation level	[kV]	LI 125/AC 50
10.	Rated voltage	[kV]	22
11.	Winding connection		YN
12.	Thermal class of insulation		A
13.	Winding material	Cu/Al	Copper
14.	Maximum temperature of ambient	[°C]	40
15.	Installation conditions		Outdoor
16.	Installation altitude	[m]	<1000
17.	Approximate length of reactor	[mm]	885
18.	Approximate width of reactor	[mm]	905
19.	Approximate height of reactor	[mm]	1300
20.	Mass of oil in reactor	[kg]	230
21.	Total mass of reactor	[kg]	1220
Normal operation of reactor			
22.	Rated power	[kVAr]	195
23.	Rated current	[A]	5.12
24.	Rated impedance	[Ω/phase]	2480.8
25.	Total losses at 75°C	[W]	2460
26.	R/X ratio at 75°C	[%]	<1.25
27.	Sound power level	[dB(A)]	<60
28.	Overpressure in tank	[bar]	<0.25

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29.	Maximum temperature rise of winding	[K]	65
30.	Maximum temperature rise of oil	[K]	60
Fault operation of reactor			
31.	Rated fault current	[A]	8.87
32.	Zero-sequence impedance	[Ω/phase]	2480.8
33.	Fault duration	[h]	2
34.	Fault status acc. IEC 60076-7		Long-time emergency loading
35.	Winding hot-spot temperature acc. IEC 60076-7	[°C]	<140
36.	Top oil temperature acc. IEC 60076-7	[°C]	<115
37.	Sound power level	[dB(A)]	<70

Date: 01.03.2016

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