



Three-phase oil-immersed hermetically sealed  
shunt reactor  
96kVAr, 11kV, YN

### TECHNICAL DATA

1.	Manufacturer		<b>KKM Power d.o.o, Serbia</b>
2.	Reactor type		<b>Oil-immersed, hermetically sealed</b>
3.	Reactor kind		<b>Shunt reactor with Petersen coil capacity</b>
4.	Standard		<b>EN 60076-6, EN 60076-series</b>
5.	Reactor name		<b>SHR 4-11</b>
6.	Number of phases		<b>3</b>
7.	Rated frequency	[Hz]	<b>50</b>
8.	Highest voltage of equipment	[kV]	<b>12</b>
9.	Insulation level	[kV]	<b>LI 75/AC 28</b>
10.	Rated voltage	[kV]	<b>11</b>
11.	Winding connection		<b>YN</b>
12.	Rated power	[kVAr]	<b>96</b>
13.	Rated current	[A]	<b>5</b>
14.	Zero-sequence impedance	[Ω/phase]	<b>1270</b>
15.	Equivalent Petersen-coil capacity, 3xI <sub>0</sub>	[A]	<b>15</b>
16.	Fault duration	[min]	<b>≤120</b>
17.	Total losses at 75°C	[W]	<b>1480</b>
18.	Zero sequence resistance/reactance ratio R <sub>(0)</sub> /X <sub>(0)</sub> at 75°C	[%]	<b>&lt;1.3</b>
19.	Zero sequence impedance linearity deviation, in range from 1%-100% (53% corresponds to rated phase voltage)	[%]	<b>Within ±2% of measured rated impedance</b>
20.	Sound power level	[dB(A)]	<b>&lt;59</b>



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21.	Type of cooling		<b>ONAN</b>
22.	Instalation altitude	[m]	<b>&lt;1000</b>
23.	Maximum temperature of ambient	[°C]	<b>40</b>
24.	Maximum temperature rise of winding	[K]	<b>65</b>
25.	Maximum temperature rise of oil	[K]	<b>60</b>
26.	Thermal class of insulation		<b>A</b>
27.	Instalation conditions		<b>Outdoor/Indoor</b>
28.	Surface treatment and corrosion protection		<b>Hot dip galvanizing</b>
29.	Approximate length of reactor	[mm]	<b>900</b>
30.	Approximate width of reactor	[mm]	<b>900</b>
31.	Approximate height of reactor	[mm]	<b>1000</b>
32.	Mass of oil in reactor	[kg]	<b>225</b>
33.	Total mass of reactor	[kg]	<b>1050</b>