



Three-phase oil-immersed hermetically sealed
shunt reactor
63kVAr, 11kV, YN

TECHNICAL DATA

1.	Manufacturer		KKM Power d.o.o, Serbia
2.	Reactor type		Oil-immersed, hermetically sealed
3.	Reactor kind		Shunt reactor, with Petersen coil capacity
4.	Standard		EN 60076-6, EN 60076-series
5.	Reactor name		SHR 6-11
6.	Number of phases		3
7.	Rated frequency	[Hz]	50
8.	Highest voltage of equipment	[kV]	12
9.	Insulation level	[kV]	LI 75/AC 28
10.	Rated voltage	[kV]	11
11.	Winding connection		YN
12.	Rated power	[kVAr]	63
13.	Rated current	[A]	3.33
14.	Zero-sequence impedance	[Ω/phase]	1908
15.	Equivalent Petersen-coil capacity, 3xI ₀	[A]	10
16.	Fault duration	[min]	≤120
17.	Total losses at 75°C	[W]	1000
18.	Zero sequence resistance/reactance ratio R ₍₀₎ /X ₍₀₎ at 75°C		<1.3
19.	Zero sequence impedance linearity deviation, in range from 1%-100% (53% corresponds to rated phase voltage)	[%]	Within ±2% of measured rated impedance
20.	Sound power level	[dB(A)]	<59



Three-phase oil-immersed hermetically sealed
shunt reactor
63kVAr, 11kV, YN

21.	Type of cooling		ONAN
22.	Instalation altitude	[m]	<1000
23.	Maximum temperature of ambient	[°C]	40
24.	Maximum temperature rise of winding	[K]	65
25.	Maximum temperature rise of oil	[K]	60
26.	Thermal class of insulation		A
27.	Instalation conditions		Outdoor/Indoor
28.	Surface treatment and corrosion protection		Hot dip galvanizing
29.	Approximate length of reactor	[mm]	900
30.	Approximate width of reactor	[mm]	900
31.	Approximate height of reactor	[mm]	1150
32.	Mass of oil in reactor	[kg]	220
33.	Total mass of reactor	[kg]	1100