

Data Sheet 8.13/7

SF6-Insulated Reactor, Type DEG

Description:

SF6-Insulated Reactors have been developed for the use in Resonant Test Systems with variable frequency for GIS on-site testing and are directly flanged to the GIS. They are also suited to increase the test power of conventional low-power SF6-insulated test transformers essentially by a high-voltage-side parallel compensation of the capacitive reactive power. Furthermore they can be equipped with an SF6-to-air bushing for testing air-insulated components or GIS via air bushings. The design of these resonant reactors is similar to that of instrument transformers with a combined SF6-foil-insulation and a disk bushing. A capacitive divider for the voltage measurement is integrated in the pressure vessel.

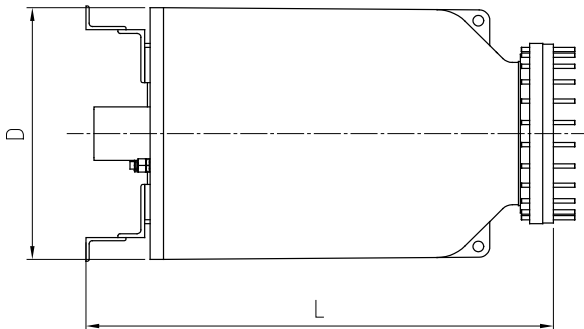


Figure 1: General dimensions

Table 1: Main parameters

Type	Inductance	Output voltage	Duty cycle	Output current	Power	Load range	Frequency range
	H	kV		A	kVA	nF	Hz
DEG 690/460-1.5	720	460	15 min ON - 1 day OFF	1.5	690	0.6 ... 14	50 ... 300
			1 h ON - 1 day OFF	0.8			
DEG 1020/680-1.5	720	680	15 min ON - 1 day OFF	1.5	1020	0.6 ... 14	50 ... 300
			1 h ON - 1 day OFF	0.8			

Table 2: Dimensions and weight

Type	Dimensions (approx.)		Weight (approx.)
	Diameter (D)	Length (L)	
	mm	mm	kg
DEG 690/460-1.5	950	1780	1100
DEG 1020/680-1.5	950	1780	1100

Type designation

DEG a/b-c

a = test power

b = rated voltage

c = rated current