

FDGE8 Semi-Enclosed Dry Type Discharge Coil

Summary

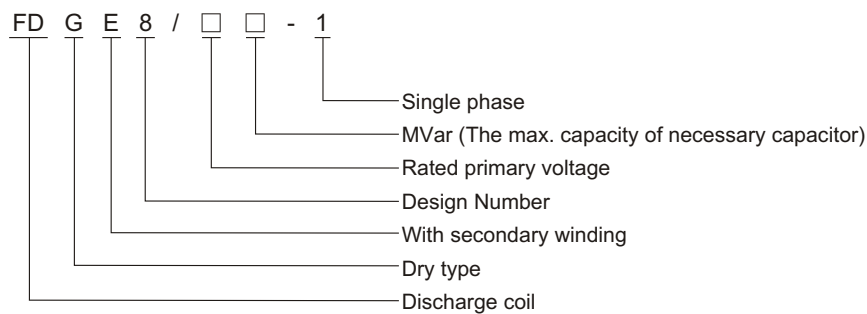
The FDGE8 semi-enclosed dry type discharge coil is cast in epoxy resin and semi-enclosed structured. The products are used for single-phase electric power systems of 50/60Hz rated frequency and rated 12kV rated voltage, parallel connecting with high voltage capacitor group. The product can reduce the residual voltage of capacitor group to a safe voltage in 5 seconds after capacitor group is cut off from the electric system. When the coil is working normally, the secondary winding can act as voltage indicator. FDGE8 can be custom manufactured to combine residual winding for protecting relay purpose. The products are used for indoor mounting.



Ambient condition

1. Ambient temperature: $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$;
2. Altitude: $\leq 1000\text{m}$;
3. Relative humidity: below 90% in a period of a month, below 95% in a period of 24 hours.
4. Dry, indoor conditions of installation, free from dust, smoke, corrosive gases, vapors or salt.
5. No serious chattering of bump of installation environment.

Model



Technical specification

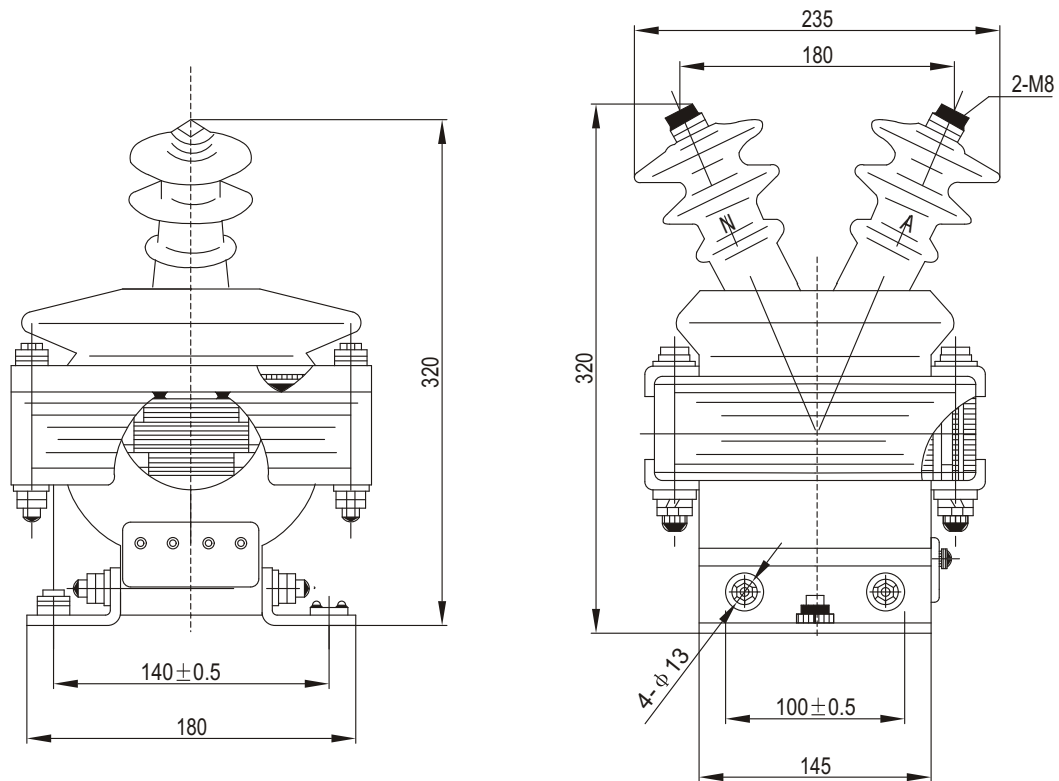
1. The products are in accordance with standard DL/T653-1998 "specification of discharge coils for high voltage parallel connection capacitor for order".
2. Rated power factor of burden: 0.8 (lagging).
3. Surface creepage distance: 300mm and above.
4. The following table shows standard values for this model.

Type	Rated voltage ratio (V)	Accuracy class and rated secondary output (VA)			Discharge capacity (Mvar)	Insulation level (kV)			
		0.2	0.5	1					
FDGE8/6.6/√3-1.7-1	6.6/3/0.1	20	50	100	1.7	7.2/32/60			
FDGE8/7.2/√3-1.7-1	7.2/3/0.1				1.7				
FDGE8/11/√3-1.7-1	11/√3/0.1				2.5	3.4	1.7	12/42/75	
FDGE8/11/√3-2.5-1							2.5		
FDGE8/11/√3-3.4-1							3.4		
FDGE8/12/√3-1.7-1	12/√3/0.1				20	50	100	1.7	12/42/75
FDGE8/12/√3-2.5-1								2.5	
FDGE8/12/√3-3.4-1								3.4	

Structure feature

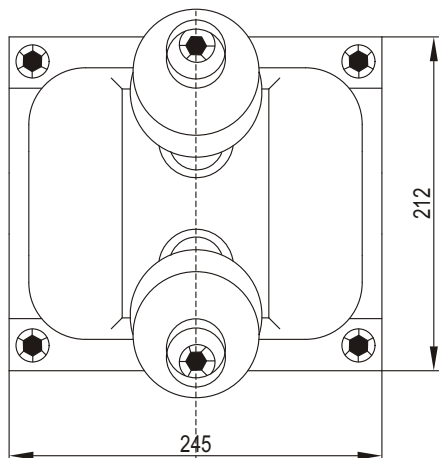
Products of this model are in iron core semi-casting type construction. The cores are made of high quality and piled silicon steel slices. The products are small, light, low in no-load potential, capable of over voltage resistance, convenient to install and free of maintenance. It is alternative to oil-immersed type discharge coil.

Outline dimension



Front view

Side view



Vertical view

