Proposal to Add Phasing for RotatingMachine

Proposed by Alex Anderson (PNNL) and Andy Fisher (PNNL)

It is very common in distribution systems to have large single-phase motors and generators. These can be synchronous (e.g. reluctance motors) or asynchronous (e.g. Type I SCIG “small-wind” turbines in the 10kW to 50kW range). CIM currently lacks any modeling detail to indicate whether a RotatingMachine is single-phase.

It is proposed to add a new class named RotatingMachinePhase with minimum / essential attributes of p, q, and phase. This new class will follow the template of other Phase classes shown below.



