

Project title:EMI Filter Block

Project Description:The project is to design 2-3 different EMI filters that will be a package to fit into a control that is to be modular. The package will include the necessary components that can handle the unwanted frequencies and high voltage protection. Challenges include integrating existing connectors with the design, understanding the inputs/outputs of the filter ports and how they will interact with other modular components, how to handle the heat of the choke inside of the package, etc.

Project discipline: (Electrical/Computer Engineering, or multi-disciplinary EE/CPE and ME)

Electrical/Computer Engineering Multi-disciplinary

Expected number of Students: Charles Slagal + Htet Htut + 2 EE Students (4 students)

Budget: \$1000

Sponsor Company: Regal Rexnord

Contact information:

Roger Becerra

roger.becerra@regalrexnord.com

Faculty advisor: Dr. Todor Cooklev