



## **DO's and DON'Ts SPM RELAY**

### **DO'S**

- **Always connect the MX input up to an auxiliary 'b' contact from the motor contactor.**

It is this contact that indicates to the SPM that the motor has been started or stopped. Protection and synchronization routines will not run properly if this input is not connected.

- **Ensure that all ground connections are made to the ground bus.**

Grounding to doors or other painted surfaces may cause the noise immunity of the SPM to be reduced.

### **DON'T**

- **Use the VDN module that was supplied with a uSPM with the SPM.**

The VDN module has changed and is incompatible. Damage or misoperation will occur if used.

- **Use a 1A secondary CT with the SPM**

The SPM has been designed to work with 5A CTs only.

- **Mount the SPM display remotely.**

The display must be mounted to the case when in operation. Noise problems may result if it is wired remotely.

- **Enable the FIELD VOLTS setpoint if the exciter is not powered up prior to starting the motor.**

Field volts are monitored prior to starting and while the motor is running. A missing voltage start block will be issued if the SPM detects field volts less than the setpoint level while the motor is stopped and prevent starting of the motor.