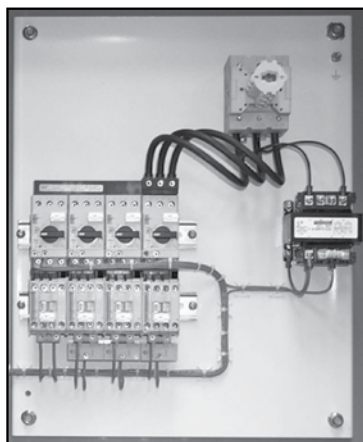


Custom Multi-Starter Control Panels

From 10 to 100 or more,
consult the experts

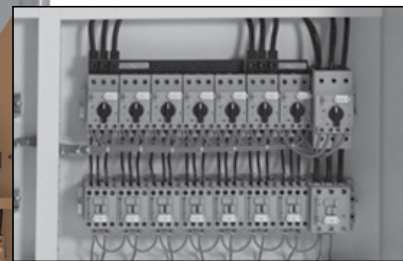
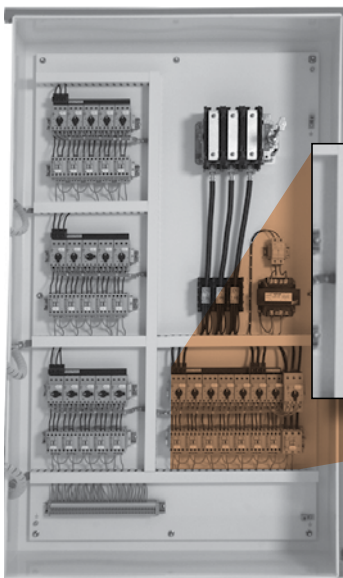
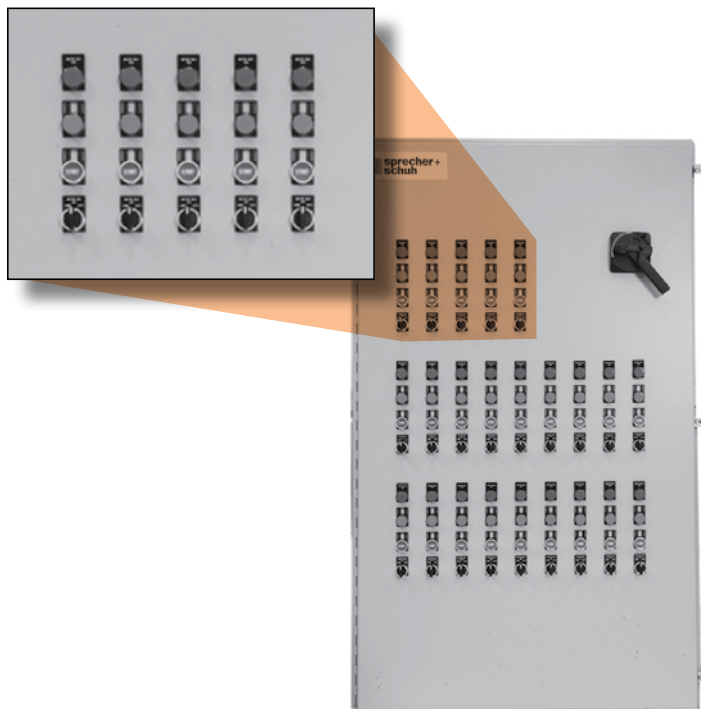
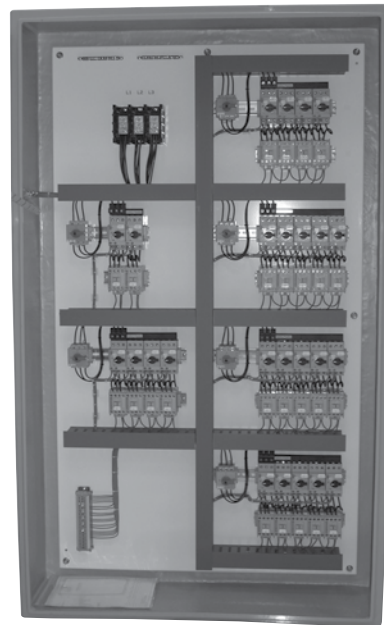


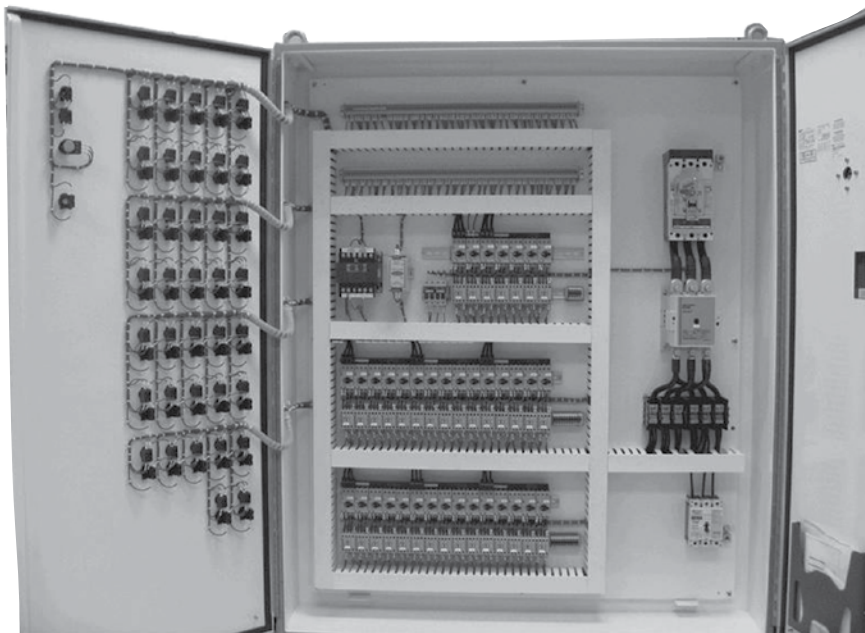
Your Motor Control + Protection Consultant

Sprecher + Schuh's slogan is "Motor control + protection consultant". This means part of our job is to be knowledgeable about these issues and to help customers choose components that not only comply with UL, NEC and CSA standards but also maximizes the SCCR rating of the assembled multi-starter panel leading to increased protection of equipment and personnel.

Multiple KTA7, KTB7 or KTC7 motor controllers plus matching CA7 contactors can be combined in a single assembly as a multi-motor starter custom control panel. Three, 33, 133 or more motor controllers and KTU7 molded case circuit breakers, as well as other power

components and control circuits can be designed and assembled into a custom multi-motor starter by Sprecher + Schuh to meet customers' unique application requirements. These pages include a few pictures of custom multi-starter control panels built by Sprecher + Schuh. Contact your Sprecher + Schuh motor control and protection representative for consultation regarding design, quotations, or help explaining the complex UL, NEC and CSA codes that apply to a custom assembly.



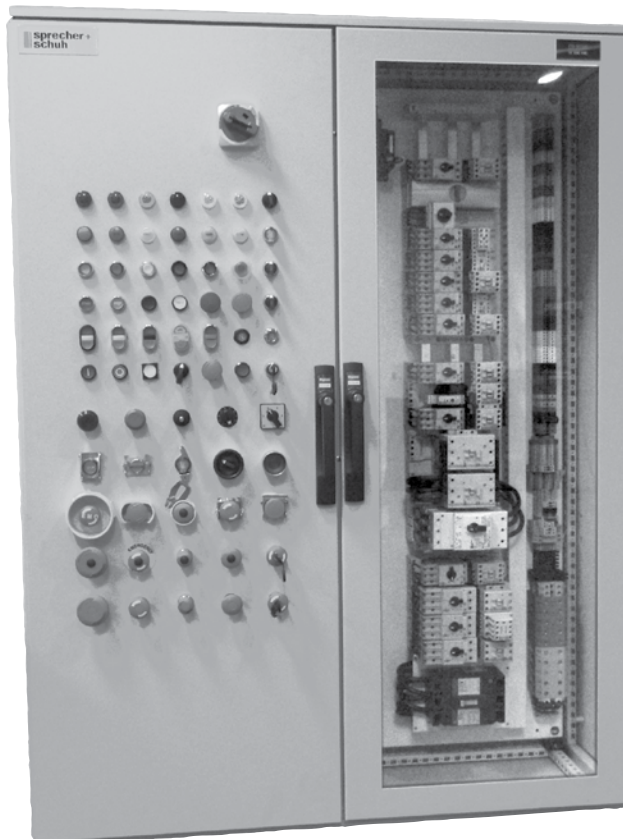


Short Circuit Current Ratings (SSCR)

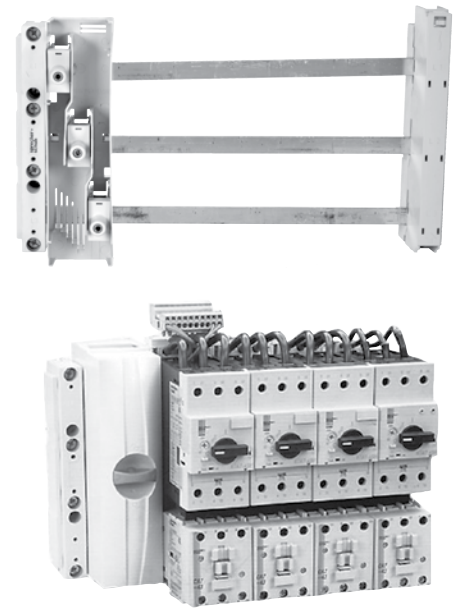
Short Circuit Current Ratings as defined by UL is the current hot topic of discussion within the controls marketplace.

UL 508A Industrial Control Panel specifications require every multiple motor starter panel assembly to be labeled with the Short-Circuit Current Rating (SCCR), which depends on the weakest component's KAIC rating. The SCCR rules are complicated and UL has been conducting classes around the country on this subject. Sprecher + Schuh recently conducted a survey

of multi-starter panel builders which indicated an increasing concern on the part of panel builders to comply with the relatively new UL regulations; yet many do not truly understand the complexity of the rules. This is another reason to consult the experts at Sprecher + Schuh.



3-Phase 60mm Bus Bar System vertically arranged to maximize space



Custom Bus Bar Systems

Sprecher + Schuh has teamed-up with *Wöhner* to supply 3-phase 60 mm bus bar systems. Bus Bar systems offers more flexibility, smaller and more economical alternative to a Motor Control Center that uses 'bucket' design.

- Sprecher + Schuh can supply 3-phase 60 mm bus bar components for customer assembly into a control panel.
- We can help design a 3-phase 60 mm bus bar system and provide it with or without components and ship to the customer as open assembly.
- Sprecher + Schuh can help design a 3-phase 60 mm bus bar system and integrate that bus system into an enclosed assembly or multi-starter custom control panel to meet customers' unique specifications.

Please contact your local Sprecher + Schuh Representative or our Technical Support Team to help design our components to meet your needs, which can include building the custom control.