

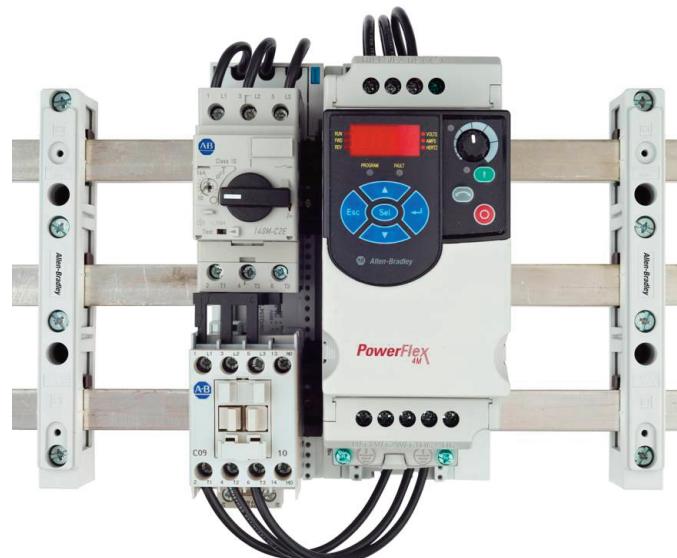
SMC™-3 Soft-Starter & PowerFlex® 4/4M Drives

Mounting System Solutions

Line-to-Load
POWER SOLUTIONS

Benefits

- Efficiently distribute power to soft-starter & drive controllers with the MCS 141A Mounting System
- High Fault Short Circuit Current Ratings can be achieved
 - 65 kA @ 400/480V with circuit breakers
 - 100 kA @ 600V with fuses
- Field assemble from available common components
- Flexibility to application requirements
 - Soft-starters & adjustable frequency drives
 - By-pass, isolation and output devices
 - Branch circuit protection with fuses or circuit breakers
- Single-point control connections with control plug option
- Minimize downtime with fast assembly and replacement
- CAD drawings and BOM documentation available in MCS Star Configuration Software*
- Configuration examples are on the reverse side of this publication to assist in component selection



PowerFlex 4M Drive with CB Branch Circuit Protection Device (BCPD)

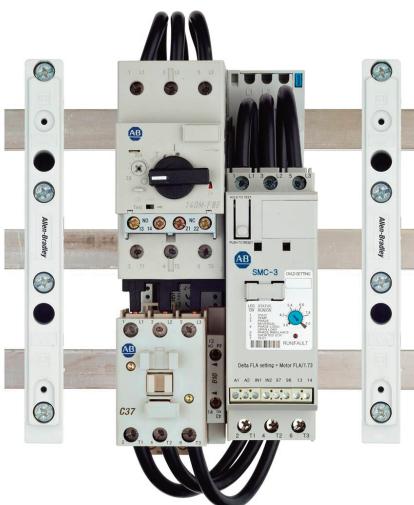
Overview

The MCS 141A Mounting System has proven to be a valuable design and panel building technique for DOL, reversing, reduced voltage starters and general power distribution in control cabinets.

There have been increased requests for application information covering the installation of soft-starters and adjustable frequency drives for use on the mounting system as well. Rockwell Automation has now determined the optimum design solutions for small motor applications.

SMC-3 Soft-starters through 37 A can be adapted to the mounting system and meet a wide range of applications. Soft-starter installations will require either circuit breaker or fuse branch circuit protection device (BCPD) with optional isolation contactors. Since the SMC-3 provides internal by-pass function, external by-pass is not required.

Power Flex 4 & 4M Adjustable Frequency Drives (Frames A & B) can also be installed on the mounting system. In drive applications, the configuration options are numerous including BCP, input/isolation contactors, output contactors, by-pass controllers and various combinations. The dimensional flexibility of the mounting system adapters allow the assemblies to be sized appropriately to maximize bus bar mounting system efficiency.



SMC-3 with circuit breaker BCPD

LISTEN.
THINK.
SOLVE.®

Allen-Bradley • Rockwell Software

Rockwell
Automation

