Global Short Circuit Current Ratings

SMC™ Soft-Starters

Global SCCR Solutions:

Soft Starters:
• SMC™-3
• SMC™-50
• SMC™ Flex

Branch Circuit Protection:
• Fuses
• Circuit Breakers

Motor Starting Characteristics:
• Standard Duty
• Heavy Duty

Motor Connections:
• Line
• Delta

Motor Sizes:
• 1/2…300 Hp
• 0.37…400 kW

Global Voltages:
• 220V, 50 Hz
• 230V, 60 Hz
• 380…400V, 50 Hz
• 415V, 50 Hz
• 440V, 50 Hz
• 460V (480 Line), 60 Hz
• 500…525V, 50 Hz
• 575V (600 Line), 60 Hz

Available Fault Levels:
• 50…100 kA

Standard Compliance:
• UL 508A Standard and High Fault SCCR
• IEC 60947-4-1 Type 1 and Type 2 short circuit coordination
• UL listing and certification

Overview

Determining the Short Circuit Current Rating of a complete electrical panel can be very challenging, especially if proper considerations are not made during the initial stages of the component selection process.

Rockwell Automation has developed global SCCR Selection Tables for SMC Soft-starter circuits based on common global motor voltages (50/60 Hz) and short circuit current rating fault levels. These tables allow users the capability to select motor starter components over a wide range of HP or kW ratings based on common SCCR application requirements.

The selection tables are based on compliance to IEC and UL standards, and are in most cases covered by third party witness by Underwriters Laboratories and conducted in Rockwell Automation accredited test facilities.

SMC Soft-Starter Family
Global SCCR Selection Tool – NEW!
Access on the Web
www.rockwellautomation.com/go/etools

SMC-50 Selection Table with Fuse Protection*

One-Line Bill of Material

* SAMPLES ONLY, go to www.rockwellautomation.com/go/etools for current documentation.