Global Short Circuit Current Ratings

PowerFlex® Low Voltage AC Drives

Global SCCR Solutions:

Drive Family:
- PowerFlex 525 AC Drive
- PowerFlex 4M AC Drive
- PowerFlex 4 AC Drive
- PowerFlex 750 AC Drive

Branch Circuit Protection:
- Fuses
- Circuit Breakers

Motor Starting Characteristics:
- Standard Duty
- Heavy Duty

Motor Sizes:
- 1/2…300 Hp
- 0.16…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
- 690V, 50 Hz

Available Fault Levels:
- 65 kA and 100 kA

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

Overview

Rockwell Automation has developed global SCCR Selection Tables for Component Drive 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 drive circuit components over a wide range of HP or kW ratings based on common voltage and SCCR application requirements.

Simply select the proper application parameters as prompted by the RockwellAutomation.com web tool to locate the correct SCCR Selection Table, then read the One-Line Bill of Material for the desired motor rating. Both component selection and short circuit coordination is complete.

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.
# PowerFlex 525 Selection Table with Fuse Protection

## PowerFlex 525 Selection Table with Fuse Protection

### Global SCCR Selection Tool – NEW!

Access on the Web

[www.rockwellautomation.com/go/etools](http://www.rockwellautomation.com/go/etools)

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**PowerFlex 525 Selection Table with Fuse Protection**

<table>
<thead>
<tr>
<th>Motor Ratings</th>
<th>Drive Ratings</th>
<th>SCCR - Fuse</th>
<th>Line Reactor</th>
<th>Contactor</th>
<th>Bypass Starter</th>
<th>IEC Coordination</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 ph 1000 rpm</td>
<td>5.5 A</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>4/4</td>
<td>6.3</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>5/5</td>
<td>7.2</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>7.5/6</td>
<td>9.6</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>10/7</td>
<td>12.0</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>13/10</td>
<td>15.0</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
<tr>
<td>16/12</td>
<td>18.0</td>
<td>360 VA</td>
<td>225 VA</td>
<td>15 A</td>
<td>15 A</td>
<td>15 A</td>
</tr>
</tbody>
</table>

* SAMPLES ONLY, go to [www.rockwellautomation.com/go/etools](http://www.rockwellautomation.com/go/etools) for current documentation.

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