**PowerFlex 523 Adjustable Frequency AC Drive**

Catalog Number 25A

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**ATTENTION:**
- Before installing, configuring, operating or maintaining this product, read this document and the documentation included in the Additional Resources section for installing, configuring, operating or maintaining equipment. To get more product documentation, go to [http://www.rockwellautomation.com/literature](http://www.rockwellautomation.com/literature).
- Contact your local Rockwell Automation sales office for Rockwell Automation certified service and assistance.

**ATTENTION:**
- No print, configure, configure or maintain this product until you have read the product documentation and the documentation included in the Additional Resources section for installing, configuring, operating or maintaining equipment.

**ATTENTION:**
- You can use this product with the following equipment if it is properly installed and configured as specified by the manufacturer: Rockwell Automation Delta, 480Y/277 or 600Y/347. Not UL listed for use on 480V or 600V Delta/Delta, corner ground, or 3-phase 4-wire input. Not UL listed.

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**Product Information**

**EMC Filters**

See the PowerFlex 520 User Manual for instructions on complying with the EMC Directive.

**Fuses and Circuit Breakers**

**Catalog**

- **No.**
- **Frame**
- **Input Range**
- **Output Range**
- **Branch Circuit Protection**
- **Voltage**
- **Current**
- **HP kW**

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**Minimum Mounting Clearances**

Vertical mounting is shown. If mounting horizontally, apply-output decouplers plus 10 in (25 cm) clearance from the top and bottom of enclosures to allow for proper airflow.

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**PowerFlex 523 Frames**

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**IP20/Top Type**

Dimensions are in mm (A) and in (B). Weights are in kg and lb (C).

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**Additional Resources**

These documents contain additional information concerning the installation, programming, and application of the drive.

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**D M5 (#10...24) 2.45...2.94 Nm (22...26 lb-in.)**

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**EMC Filters**

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**Fuses and Circuit Breakers**

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**PowerFlex 523 Frames**

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**Additional Resources**

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Power Wiring
Recommended Grounded Wire

Power Terminal Block Specifications

Control Terminal Block
Control I/O Wiring Block Diagram

Frame A, B, C, and D
Frame E

Terminal screws may become loose during shipment. Ensure that all terminal screws are tightened to the recommended torque before applying power to the drive.

The drive is shipped with a jumper installed between I/O Terminals 01 and 11. This jumper is used for I/O Terminal 01 to be a stop input. The drive is also shipped with a jumper installed between I/O Terminals 02 and 12. This jumper is used for I/O Terminal 02 to be a stop or enable input. Remove this jumper when using I/O Terminal 01 as a stop input. The stopping mode is determined by the drive setting.

To clear a fault, press the Stop key if P045 [Stop Mode] is set to a value between 0...3, cycle power, set A551 to 1, and press the Start key. Press Enter or Sel to view the parameters that are added to the CustomView group.

The drive is designed to handle a maximum of 1.76...2.16 Nm (15.6...19.1 lb-in.) at 50 Hz. The drive may be damaged if a higher torque is applied.

Prepare for Drive Start-Up

To prepare for drive start-up, configure the drive setting, connect the power and control wiring, and perform the power-up testing procedures. If the drive is configured in the Advanced Program, the drive must be configured in the Basic Program before proceeding.

Rockwell Automation Support

Rockwell Automation provides detailed information on the Web to assist you in using its products.

For additional information on electrical requirements, contact your local distributor or Rockwell Automation representatives, or visit www.rockwellautomation.com/support.

Installation Assistance

If you are experiencing problems and need assistance, call your local distributor or Rockwell Automation representatives.

New Product Satisfaction Return

Rockwell Automation offers an exceptional satisfaction guarantee that they are fully operational when shipped from the manufacturing facility. However, if you are not satisfied with the functionality or performance of your product, you must return it according to the terms of their return policy.

Documentation Feedback

Your comments will help us improve this document. If you have any suggestions or ideas on how to improve this document, please contact the Rockwell Automation support team at https://www.rockwellautomation.com/communications.