

# How To Install SOLIDWORKS Electrical Standalone 2023

TITLE:	How To Install SOLIDWORKS Electrical Standalone 2023
DATE:	September 2022
SUBJECT:	SOLIDWORKS Electrical
ABSTRACT:	Guide for installing the Standalone version of SOLIDWORKS Electrical 2023



This guide gives instructions for installing SOLIDWORKS Electrical 2023. It is written for standalone installations of SOLIDWORKS Electrical. In this configuration, all program components are on the same computer. If your software is installed in a client-server configuration (a server computer hosts the program data, collaborative server and SQL server, while each client computer hosts the user application), please refer to the [2023 SOLIDWORKS Electrical Client-Server Installation Guide](#) (available in our [Help Center](#)). Please contact [Hawk Ridge Systems Technical Support](#) if you are unsure of your SOLIDWORKS Electrical configuration type.

SOLIDWORKS Electrical 2023 uses the same installation manager as other SOLIDWORKS products, including the 3D CAD software. If installing other SOLIDWORKS products along with Electrical, please also refer to their installation guides for further instructions.

This is not a troubleshooting guide. Please visit our [Help Center](#) or contact [Hawk Ridge Systems Technical Support](#) if you have any technical issues with SOLIDWORKS Electrical.

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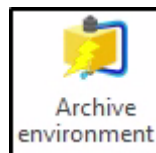
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## Before Installation

Hawk Ridge Systems highly recommends taking a moment before installing SOLIDWORKS Electrical and checking that you are ready to load your new software. First, ensure that your computer meets [minimum system requirements](#) and that your [video card passes certification checks](#). Also, confirm that the hard drive has enough space to have at least 15% free space after the full installation. Back-up data such as any shared Toolbox library, Design Library, Template files, or a data management vault. As always, verify workmates, customers, or vendors are all on the same version of SOLIDWORKS Electrical. Older versions of SOLIDWORKS Electrical cannot open files from newer versions.

### 1. Back-up your data.

- It is strongly recommended that you **archive your environment** prior to performing any upgrade or maintenance of SOLIDWORKS Electrical. This will save a copy of all your program data (projects, components, symbols, etc.) into one compressed file. To do this, click the **Archive Environment** button within the SOLIDWORKS Electrical application and run through the wizard. Note that the archive may take several hours to create, so we recommend running this process overnight.



- If you have related SOLIDWORKS files, it is recommended that you make backup copies of these also. Any templates or design libraries should also be saved to a backup folder.

2. Obtain your SOLIDWORKS 2023 installation media.
  - The latest version of the SOLIDWORKS Installation Manager can be downloaded from the [SOLIDWORKS downloads page](#).
  - The Installation Manager can be used to download the necessary files and complete the installation in one process.
  - The Installation Manager can also be used to download the full SOLIDWORKS 2023 installation files ahead of the installation. This complete file set is approximately 21 GB and is equivalent to the DVDs. This is useful if SOLIDWORKS Electrical is being installed on several computers, as the files can be downloaded once then copied to those computers via the network or a removable storage device.
  - Beginning with SOLIDWORKS 2019, DVD distribution media is provided only on [request](#).

## Licensing

SOLIDWORKS Electrical can be used with standalone and network licenses. Note that the license type differs from the installation configuration, which can be standalone or client-server (this guide is for the standalone configuration). Either license type can be used with either configuration.

If you have a standalone license, you will need to activate SOLIDWORKS Electrical after installing. You will be automatically prompted to do this when launching the application after an installation. If you are installing SOLIDWORKS at the same time as SOLIDWORKS Electrical, you will need to launch SOLIDWORKS to complete the activation. Refer to our [2023 Product Activation](#) guide for more information on activation methods. You may also deactivate a standalone license on a particular computer by following the steps in the Appendix. This will allow the license to be activated on another computer.

If you have a network license, the SolidNetWork License Manager on the license server computer needs to be of a version at or above the version of SOLIDWORKS Electrical that you are installing. If this is not already the case, refer to our [2023 Network Server Installation](#) guide to install and activate a suitable version of the SolidNetWork License Manager.

## Configuration Requirements

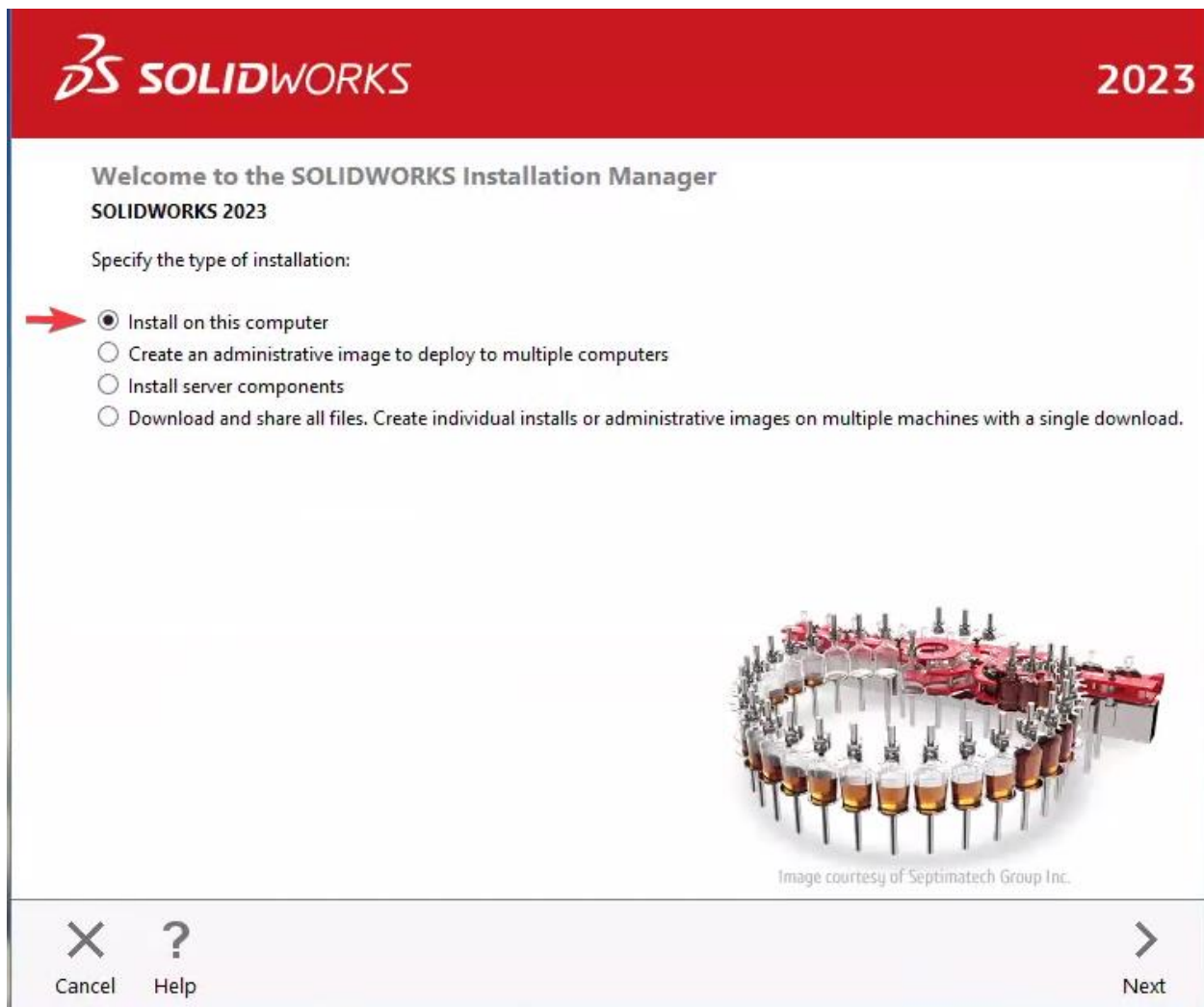
SOLIDWORKS Electrical 2023 includes Microsoft SQL Server 2019 Express in the installation.

If you are installing SOLIDWORKS Electrical 3D, you must either install SOLIDWORKS along with Electrical 3D or have already installed SOLIDWORKS on your computer. SOLIDWORKS, SOLIDWORKS Electrical Schematic and SOLIWORDS Electrical 3D must all be of the same version and service pack.

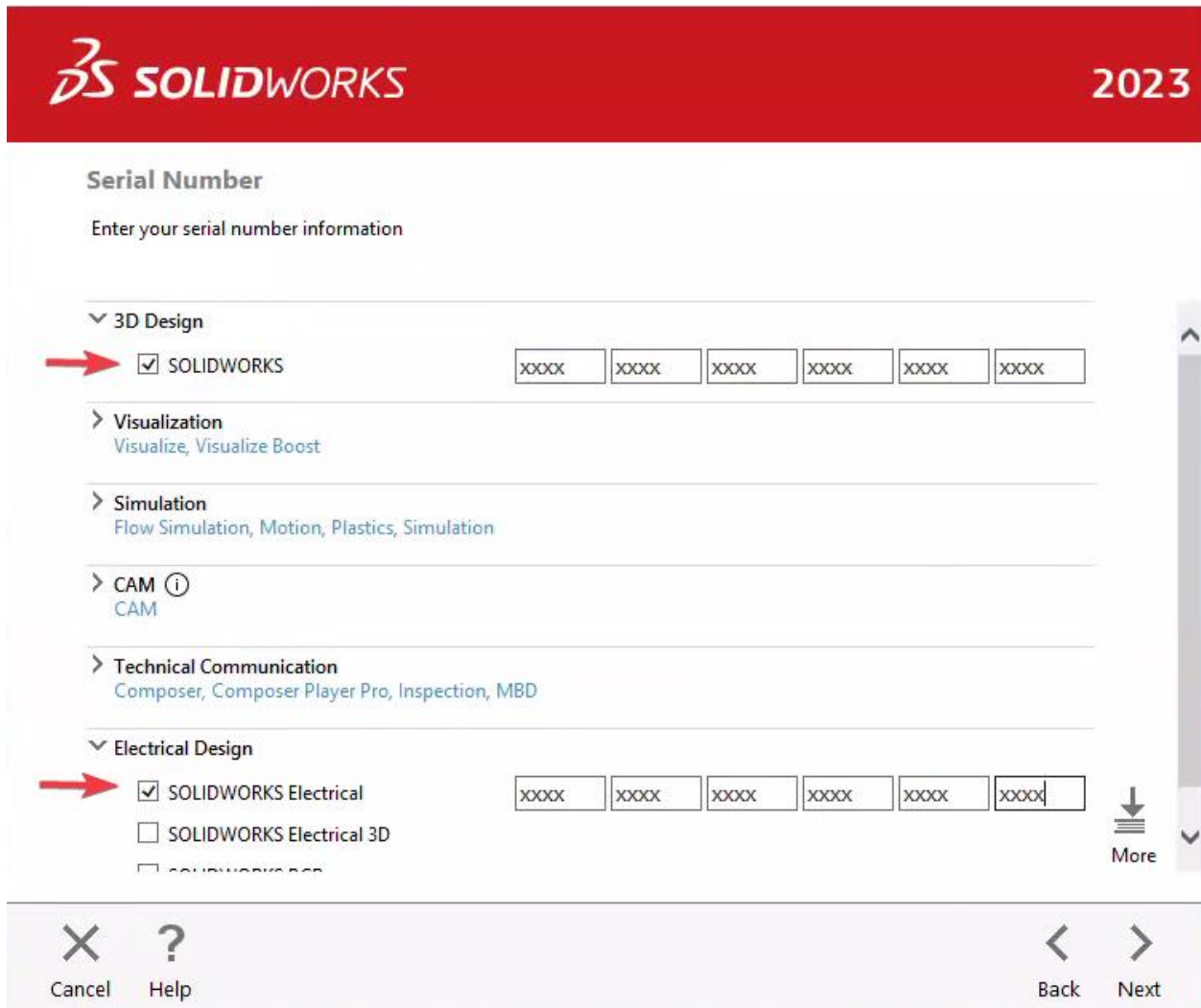
# Standalone Installation

**REMINDER: If upgrading from a previous version of SOLIDWORKS Electrical, we strongly recommend archiving your environment proceeding.**

1. Log into the computer as an administrator.
2. Disable all anti-virus and anti-spyware tools and turn off Windows User Account Control.
3. Locate your SOLIDWORKS 2023 installation media (download or DVD) and launch the setup application (setup.exe). You should see the Welcome screen for the SOLIDWORKS Installation Manager. Select **Install on this computer** then click **Next**.



- You will then see the Serial Number screen where you can enter the serial number for your SOLIDWORKS Electrical installation. Note that you do not need to enter multiple serial numbers if your SOLIDWORKS serial number is the same as your SOLIDWORKS Electrical serial number. If you are only installing the SOLIDWORKS Electrical Schematic application, the serial number should be entered in the corresponding field. Only check and enter the SOLIDWORKS Electrical 3D option if you have a separate license serial number for it. Click **Next**.



**SOLIDWORKS** 2023

### Serial Number

Enter your serial number information

3D Design

Visualization  
 Visualize, Visualize Boost

Simulation  
 Flow Simulation, Motion, Plastics, Simulation

CAM ⓘ  
 CAM

Technical Communication  
 Composer, Composer Player Pro, Inspection, MBD

Electrical Design

SOLIDWORKS Electrical 3D

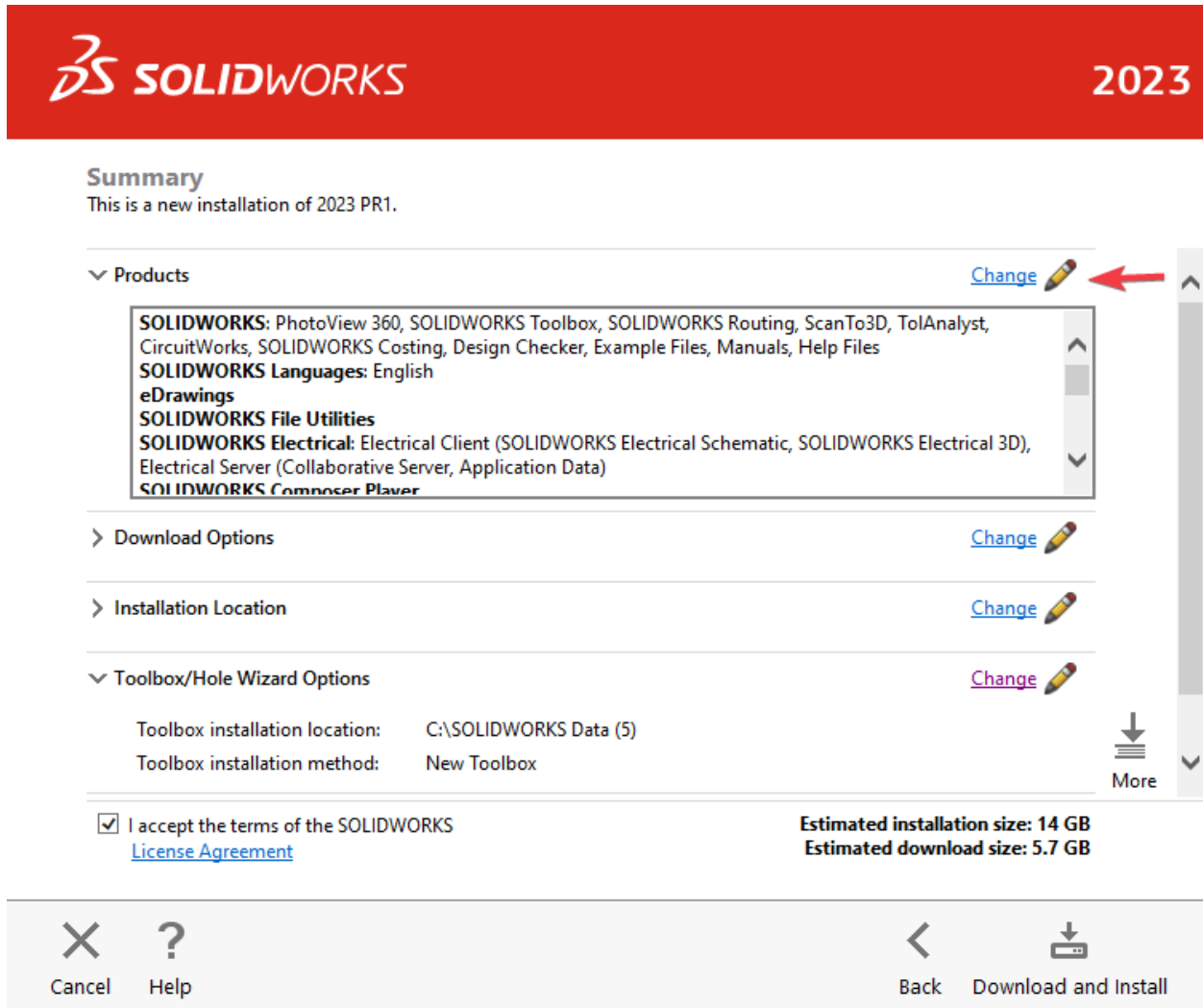
SOLIDWORKS Electrical Schematic

More

Cancel Help Back Next

- The Installation Manager will verify your serial number and perform an automatic system check for any existing versions of SOLIDWORKS or SOLIDWORKS Electrical. Take note of any messages or warnings during this step then click **Next**.


- At the Summary screen, you can change the settings and options defined for the installation. To do so, click **Change** on the right side of each option.




**SOLIDWORKS** 2023


### Summary


This is a new installation of 2023 PR1.

▼ Products [Change](#) 

**SOLIDWORKS:** PhotoView 360, SOLIDWORKS Toolbox, SOLIDWORKS Routing, ScanTo3D, ToAnalyst, CircuitWorks, SOLIDWORKS Costing, Design Checker, Example Files, Manuals, Help Files  
**SOLIDWORKS Languages:** English  
**eDrawings**  
**SOLIDWORKS File Utilities**  
**SOLIDWORKS Electrical:** Electrical Client (SOLIDWORKS Electrical Schematic, SOLIDWORKS Electrical 3D), Electrical Server (Collaborative Server, Application Data)  
**SOLIDWORKS Composer Player**

> Download Options [Change](#) 





> Installation Location [Change](#) 

▼ Toolbox/Hole Wizard Options [Change](#) 

Toolbox installation location: C:\SOLIDWORKS Data (5)  
Toolbox installation method: New Toolbox

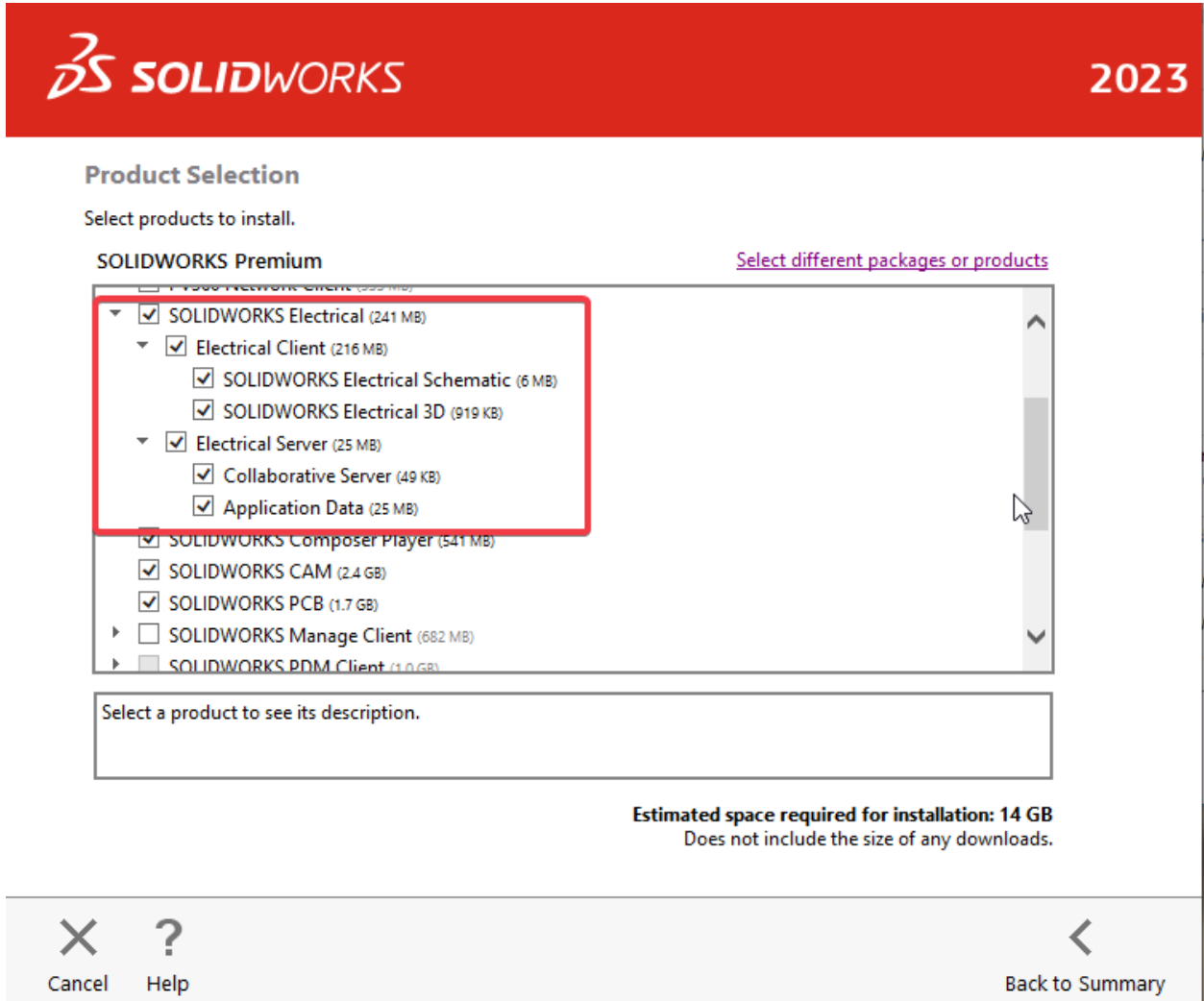
I accept the terms of the SOLIDWORKS [License Agreement](#)

**Estimated installation size: 14 GB**  
**Estimated download size: 5.7 GB**

Cancel Help Back Download and Install

Click **Change** next to Products to go to the Product Selection screen. Scroll down and ensure that SOLIDWORKS Electrical is checked on. Nested here are the individual Electrical components. Check these against the information below. Click **Back to Summary** when finished.



**SOLIDWORKS 2023**

**Product Selection**

Select products to install.

**SOLIDWORKS Premium** [Select different packages or products](#)

- SOLIDWORKS Electrical (241 MB)
  - Electrical Client (216 MB)
    - SOLIDWORKS Electrical Schematic (6 MB)
    - SOLIDWORKS Electrical 3D (919 KB)
  - Electrical Server (25 MB)
    - Collaborative Server (49 KB)
    - Application Data (25 MB)
- SOLIDWORKS Composer Player (541 MB)
- SOLIDWORKS CAM (2.4 GB)
- SOLIDWORKS PCB (1.7 GB)
- SOLIDWORKS Manage Client (682 MB)
- SOLIDWORKS PDM Client (1.0 GB)

Select a product to see its description.

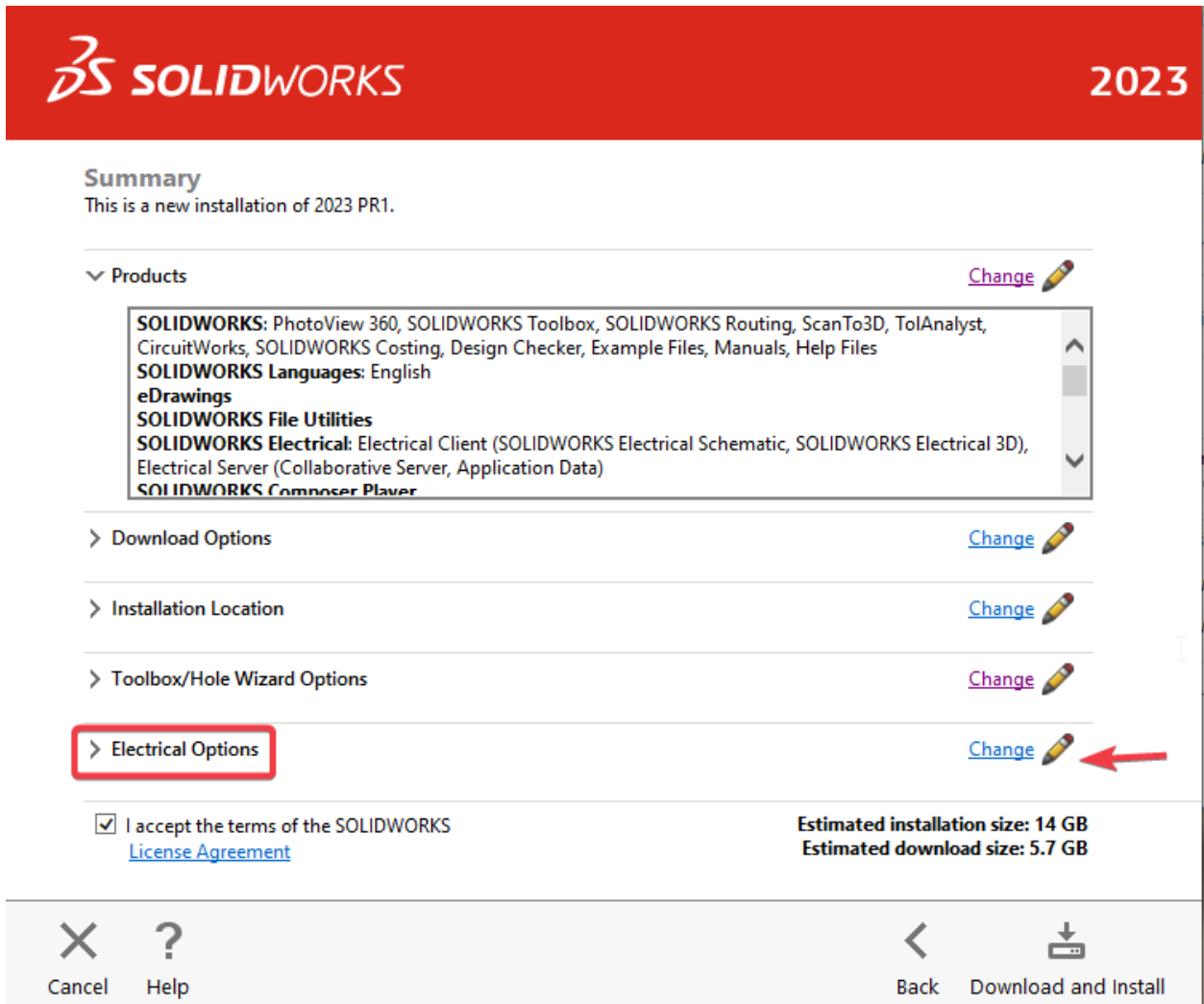
**Estimated space required for installation: 14 GB**  
Does not include the size of any downloads.

Cancel Help Back to Summary

**SOLIDWORKS Electrical Schematic** is the 2D electrical schematic design application and should be checked on.


7. **SOLIDWORKS Electrical 3D** is the add-in for the main SOLIDWORKS application. It may not be available if your license does not include it, but if it does, ensure that you are installing SOLIDWORKS as well. They must be of the same version and service pack.
8. **Collaborative Server** is used to communicate between the application and the SQL server. This option should be checked on for a standalone installation.
9. **Application Data** includes the SQL server and program data used for the application (projects, symbols, manufacturer parts, templates, etc.). This option should be checked on for a standalone installation.

10. At the Summary screen, click **Change** next to Electrical Options. Check the following options and click **Back to Summary** when finished. We recommend keeping the default values for all options here.





**SOLIDWORKS 2023**


**Summary**  
This is a new installation of 2023 PR1.



▼ Products Change 

SOLIDWORKS: PhotoView 360, SOLIDWORKS Toolbox, SOLIDWORKS Routing, ScanTo3D, ToAnalyst, CircuitWorks, SOLIDWORKS Costing, Design Checker, Example Files, Manuals, Help Files  
 SOLIDWORKS Languages: English  
 eDrawings  
 SOLIDWORKS File Utilities  
 SOLIDWORKS Electrical: Electrical Client (SOLIDWORKS Electrical Schematic, SOLIDWORKS Electrical 3D), Electrical Server (Collaborative Server, Application Data)  
 SOLIDWORKS Composer Player

> Download Options Change 

> Installation Location Change 

> Toolbox/Hole Wizard Options Change 

**> Electrical Options** Change  

I accept the terms of the SOLIDWORKS [License Agreement](#) Estimated installation size: 14 GB  
Estimated download size: 5.7 GB

Cancel Help Back Download and Install

- **Data Location** specifies the directory that will contain all of the program data. The default is C:\ProgramData\SOLIDWORKS Electrical. Click **Browse** to change this location if desired.
- **Collaborative Server** specifies the machine name and port number of the collaborative server. The defaults are localhost and 26666, respectively. These settings should be left default for the standalone configuration.
- **SQL Server** specifies the name of the SQL server (the default is localhost\TEW\_SQLEXPRESS) that will host the Electrical databases and the password that will be used to connect to it. For a new standalone installation, select the option to **Install a new instance of SQL Server** with the name localhost, and tew user password **SQLpwd4ew**. These should be the default values.



### SOLIDWORKS Electrical Options

▼ Data Location


 C:\ProgramData\SOLIDWORKS Electrical 

▼ Collaborative Server



 Name: localhost Port Number: 26666


▼ SQL Server

Name: localhost\TEW\_SQLEXPRESS 

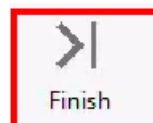
-   Install a new instance of SQL Server  
 Use an existing SQL Server database

Password for 'tew' user: SQLpwd4ew

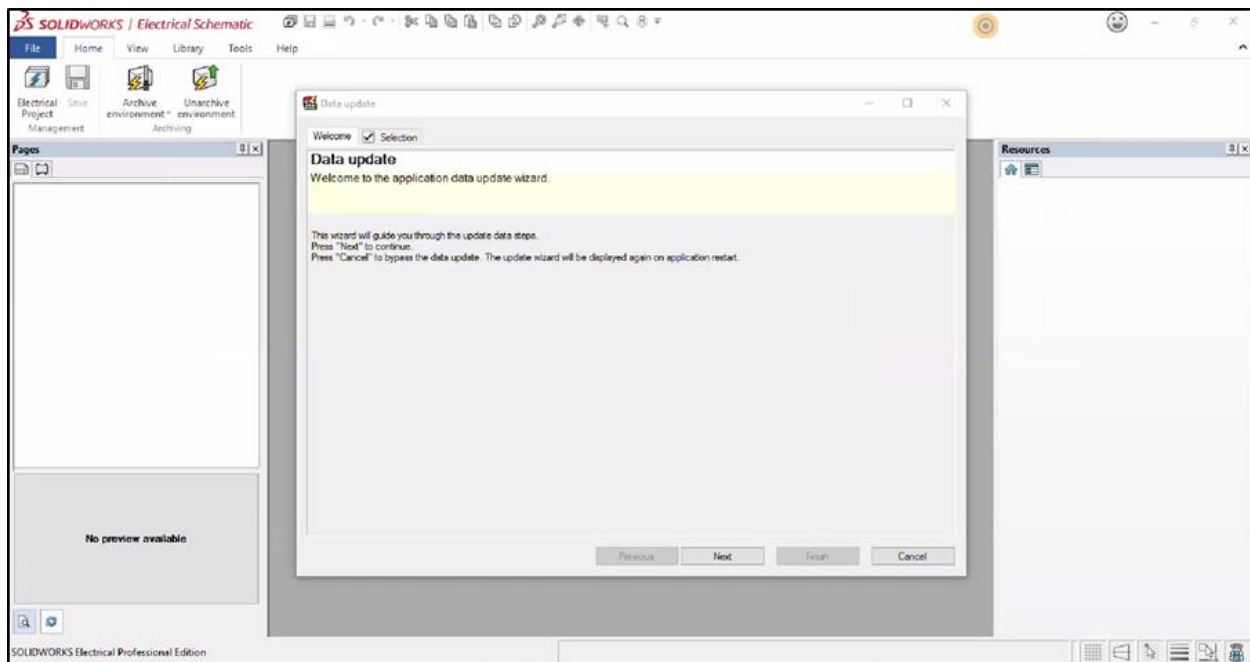
   
Cancel Help

  
Back to Summary

11. Confirm that all the information on the Summary screen is correct. Accept the license agreement then click **Install Now** to begin the installation.
12. When the installation is complete, you will be asked to join the [SOLIDWORKS Customer Experience Improvement Program](#). We recommend joining this, as it provides software performance information to SOLIDWORKS. The information this sends to SOLIDWORKS is treated confidentially and does not result in the transfer of any file information. After making the selection, click the **Finish** button to complete the installation.



13. When the software is launched for the first time after the installation, you may need to activate the license (if using standalone licensing). Follow the prompts to complete this. You will also be prompted to accept the license agreement.
14. Finally, you will be prompted to update the program data for this version of SOLIDWORKS Electrical. Proceed through this wizard to complete the installation and begin using the software.



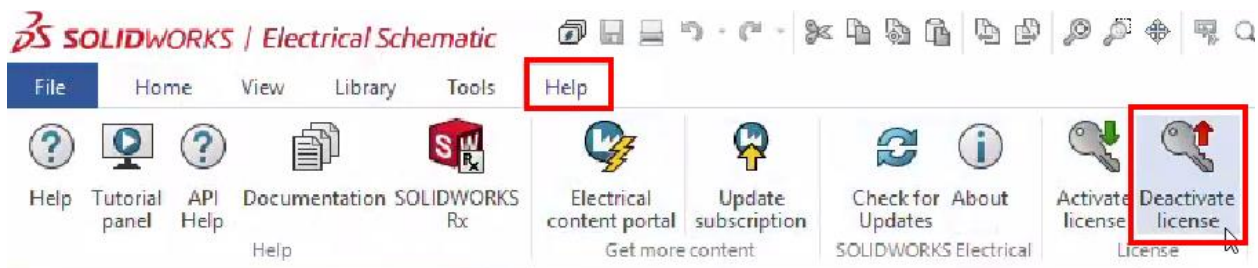
## Appendix: License Deactivation

Each activation transaction is coded to the hardware of your computer. If you are moving your SOLIDWORKS Electrical installation to a new computer, you will need to deactivate your license activation before activating on the new computer. You should also do this before reformatting or replacing your hard drive or operating system. If your SOLIDWORKS Electrical license is tied to your main SOLIDWORKS license (i.e. they are the same number), please see our [2023 Product Activation](#) guide for the deactivation process.

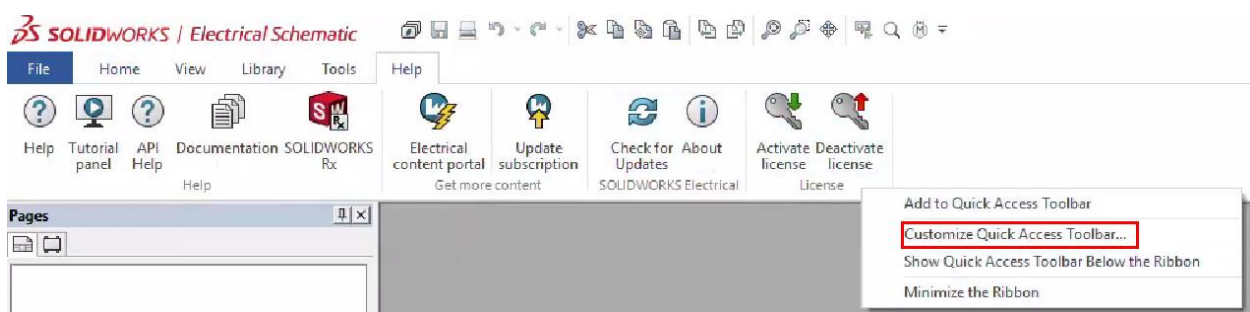
If your computer does not have internet access, refer to the E-mail Deactivation section of this document below.

### Online Deactivation

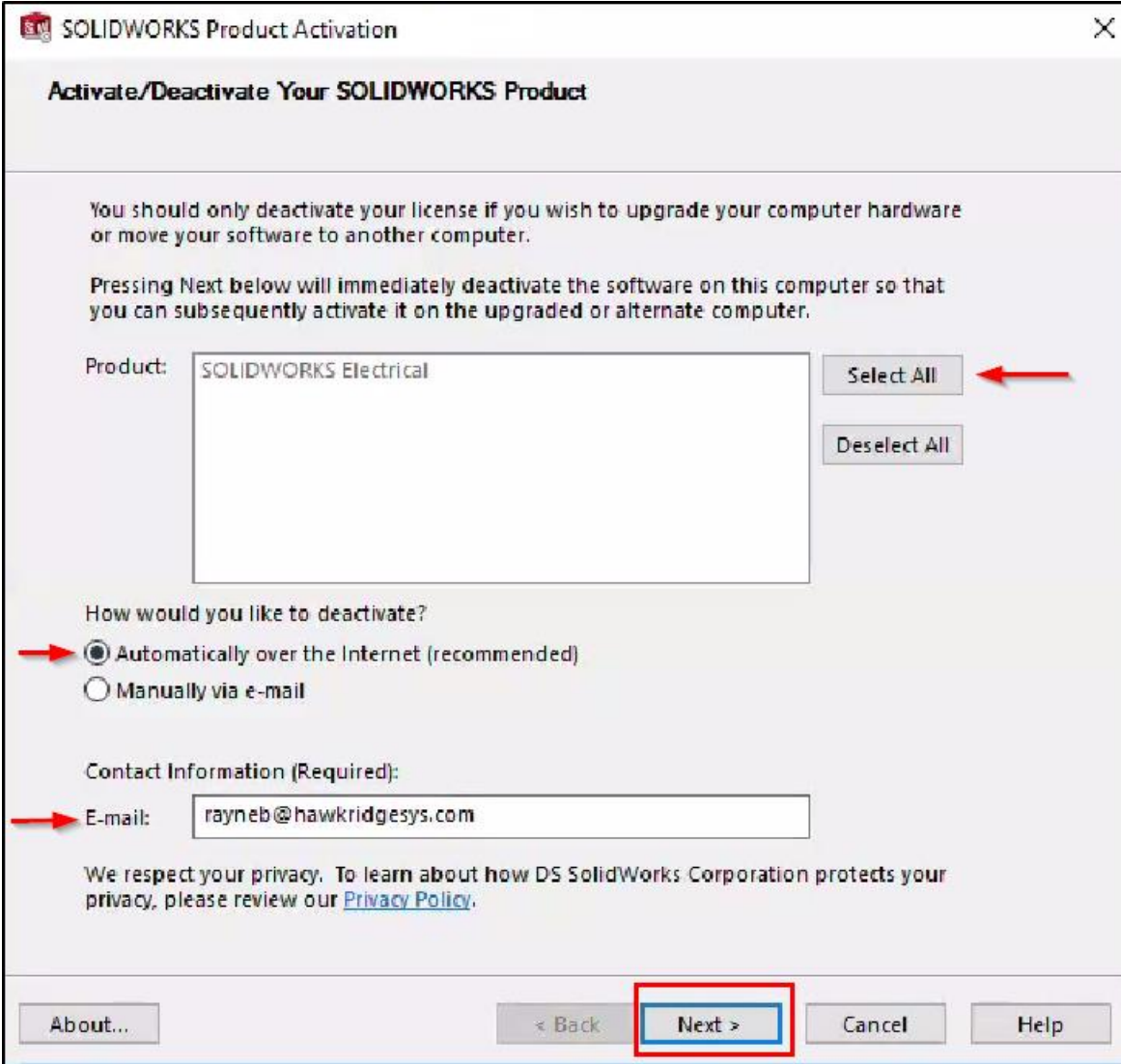
1. Go to Start > All Programs > SOLIDWORKS 2023 > SOLIDWORKS Electrical.
2. Once SOLIDWORKS Electrical launches, click **Help** > **Deactivate License**.



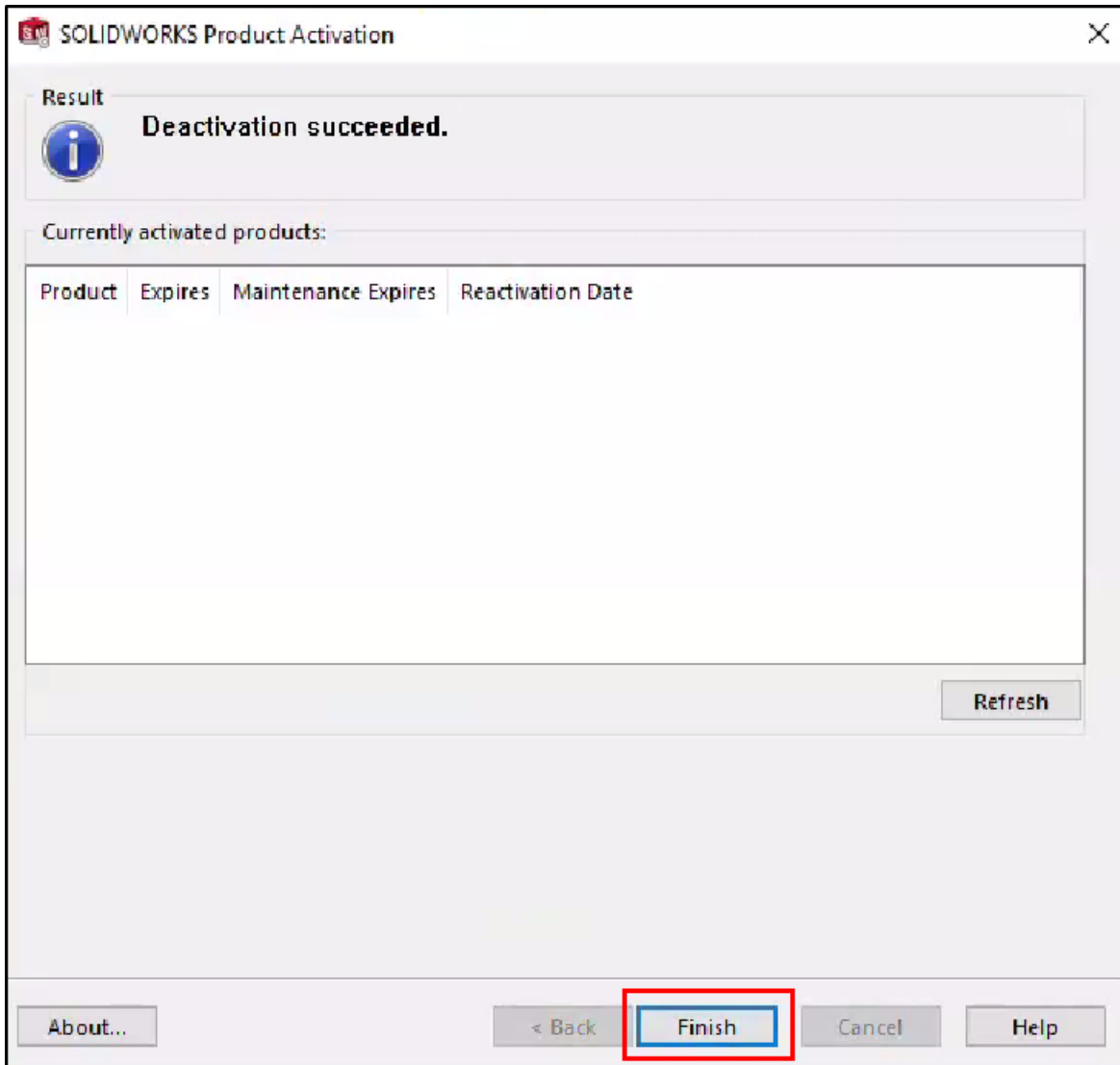
NOTE: If Activate license and Deactivate license options are missing from the License menu, right mouse button click in the License menu area and go to "Customize Quick Access Toolbar..." to add.



3. Choose to deactivate **Automatically over the Internet**, enter your e-mail address, then click **Next**.



4. The software will connect to the SOLIDWORKS activation servers, and you will be informed when the license has been successfully deactivated.

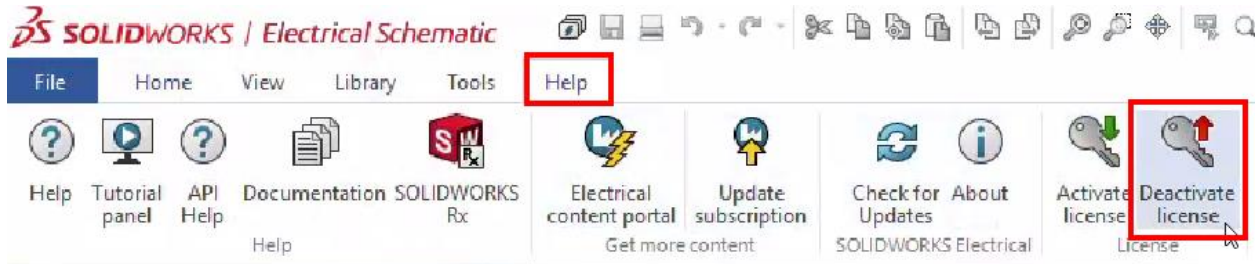


5. Press the **Finish** button to complete the process.

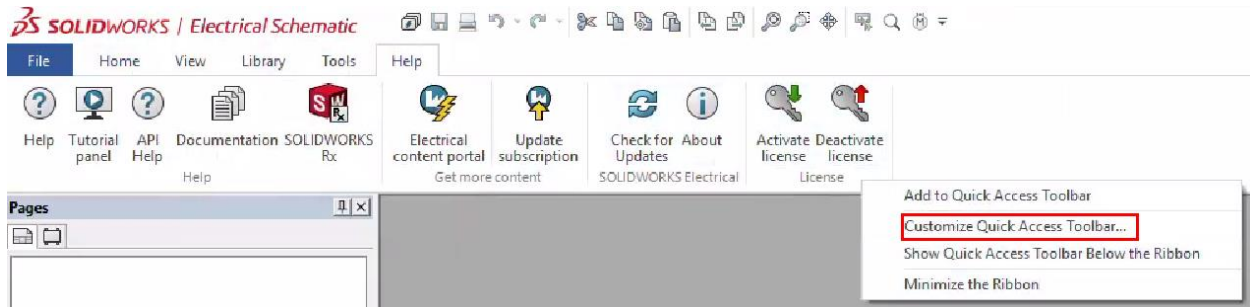
**Note: SOLIDWORKS Electrical will no longer run on this computer unless it is re-activated.**

## E-mail Deactivation

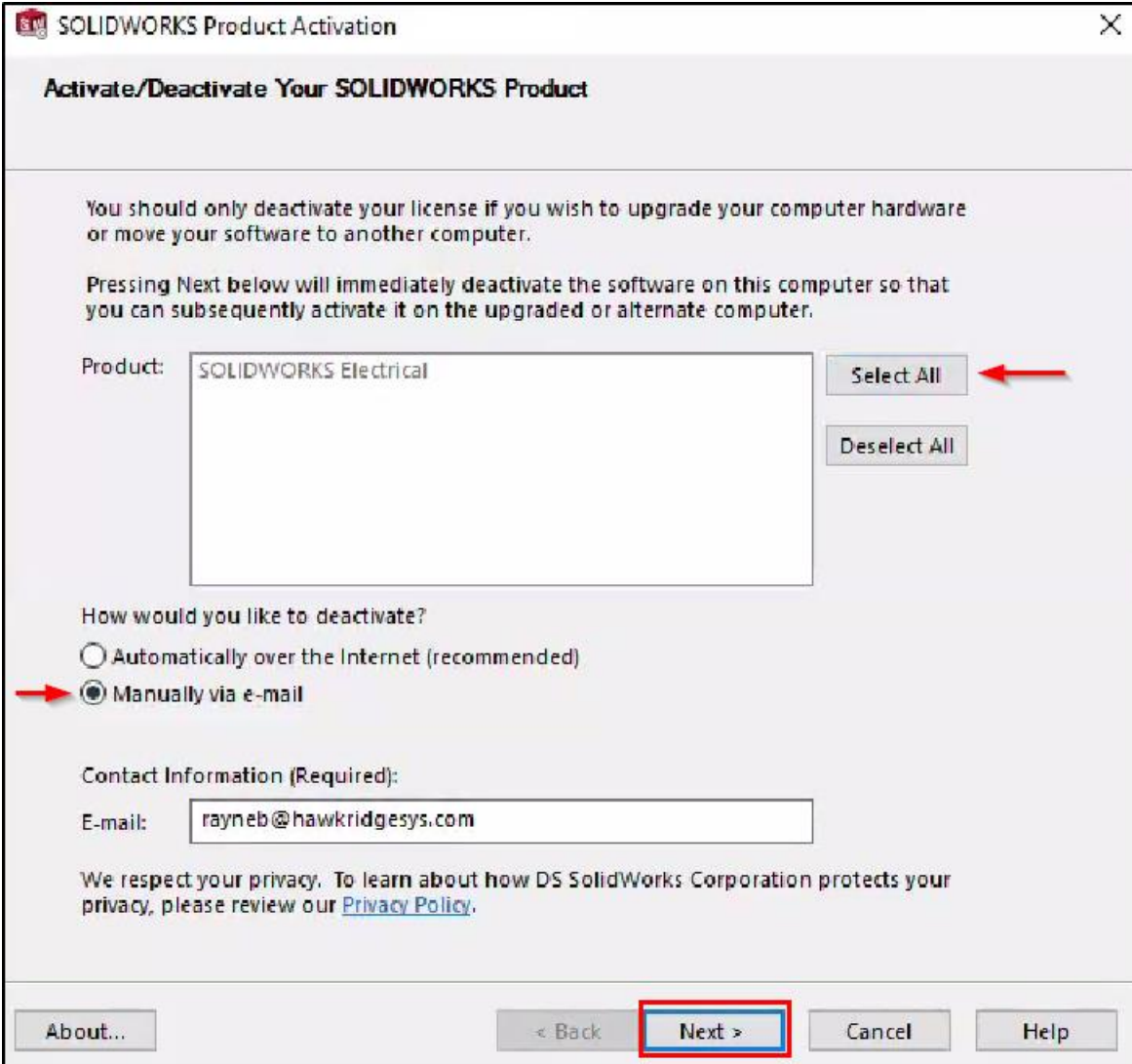
1. Go to Start > All Programs > SOLIDWORKS 2023 > SOLIDWORKS Electrical.
2. Once SOLIDWORKS Electrical launches, click **Help** > **Deactivate License**.



NOTE: If Activate license and Deactivate license options are missing from the License menu, right mouse button click in the License menu area and go to "Customize Quick Access Toolbar..." to add.



3. Choose to activate **Manually via e-mail**, enter your e-mail address, then click **Next**.



SOLIDWORKS Product Activation

**Activate/Deactivate Your SOLIDWORKS Product**

You should only deactivate your license if you wish to upgrade your computer hardware or move your software to another computer.

Pressing Next below will immediately deactivate the software on this computer so that you can subsequently activate it on the upgraded or alternate computer.

Product: SOLIDWORKS Electrical

Select All

Deselect All

How would you like to deactivate?

Automatically over the Internet (recommended)

Manually via e-mail

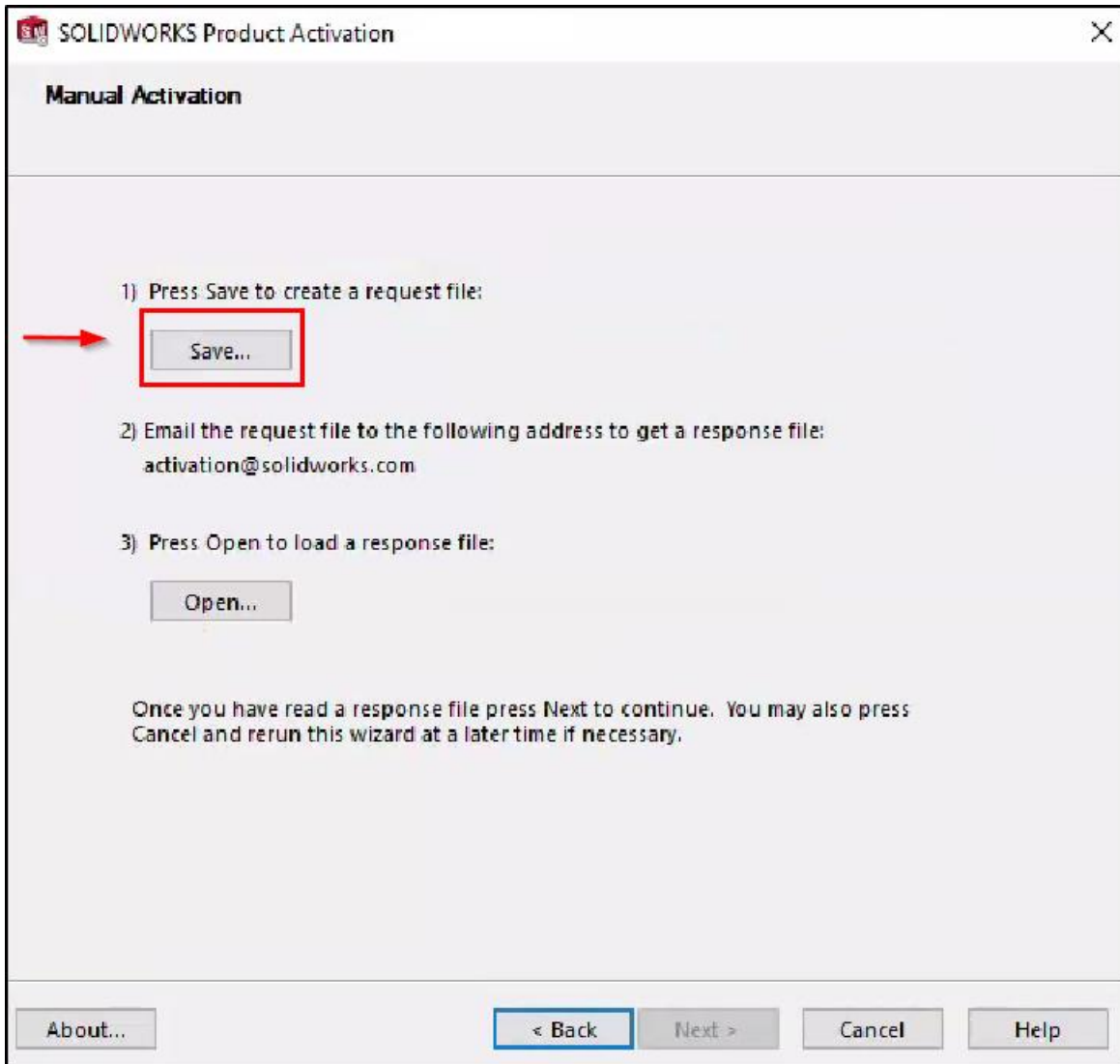
Contact Information (Required):

E-mail: rayneb@hawkridgesys.com

We respect your privacy. To learn about how DS SolidWorks Corporation protects your privacy, please review our [Privacy Policy](#).

About... < Back Next > Cancel Help

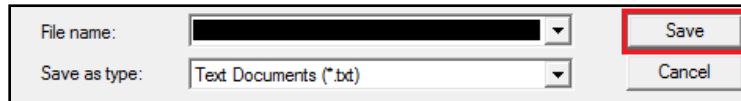
4. On the next page, press the **Save** button to create an activation request file.



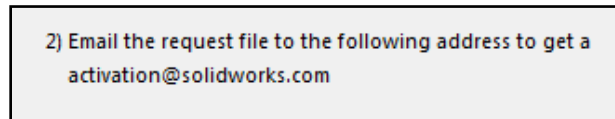
**Note: Once you have saved this file, your activation is disabled. Do not exit the activation window until you have read in the response file from SOLIDWORKS and completed the process or you will not be able to run SOLIDWORKS Electrical to complete the deactivation.**



5. Browse to a location on your computer to store this .txt file and press the **Save** button. Copy this .txt file onto a removable storage device and take it to a computer with internet access.



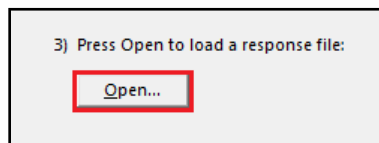
6. E-mail this file as an attachment to [activation@solidworks.com](mailto:activation@solidworks.com), leaving the subject and message body blank.



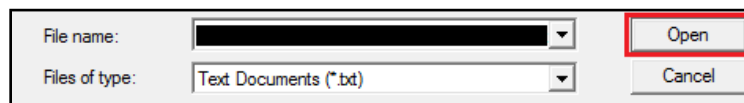
7. SOLIDWORKS will send a return e-mail with a different .txt file attached. Save this file to a removable storage device and take it back to the computer awaiting the activation deactivation.



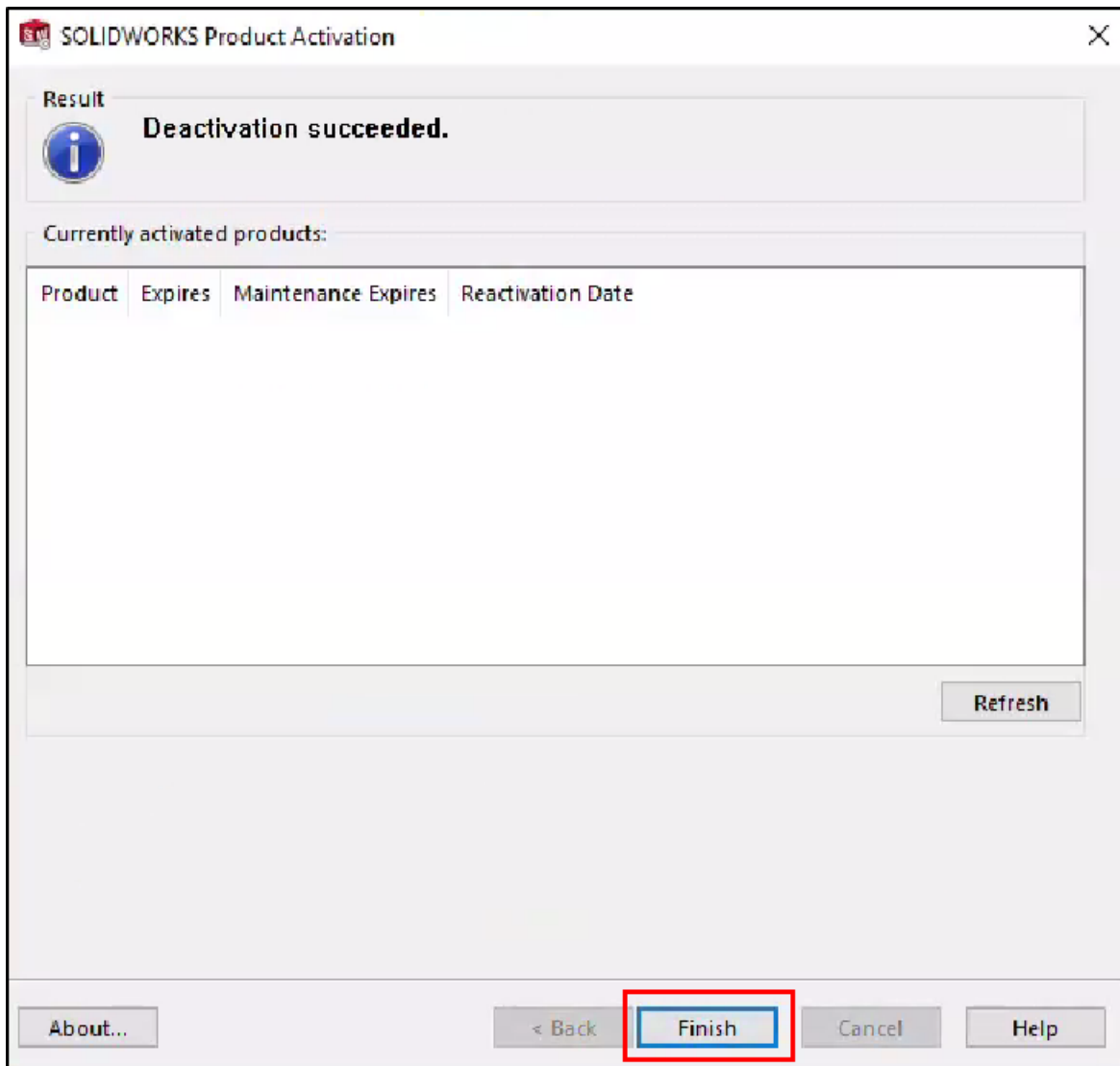
8. In the activation wizard dialog, press the **Open** button.



9. Browse to the response file then press the **Open** button.



10. The next page will show you that your deactivation is complete.



11. Press the **Finish** button to complete the process.

**Note: SOLIDWORKS Electrical will no longer run on this computer unless it is re-activated.**

For further assistance, please contact our support team at [support@hawkridgesys.com](mailto:support@hawkridgesys.com), or 877-266-4469 (US) or 866-587-6803 (Canada).