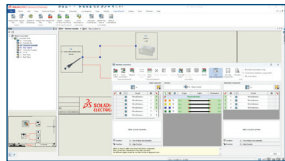


WHAT'S NEW IN SOLIDWORKS® 2027—ELECTRICAL

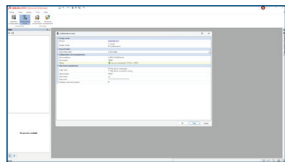


1 Native Wire Creation in Line Diagrams

- Define complete harness connections directly in the line diagram, without switching to a schematic view.
- Manage mixed cable-and-wire projects from a single interface.

Benefits

Speed up wiring design while cutting the number of pages required and data-entry errors.

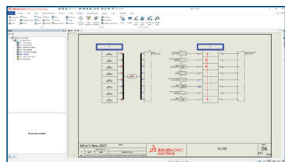


2 LAN Collaborative Server for SOLIDWORKS Electrical

- Enable real-time collaboration by centralizing project data, libraries, and settings on a LAN-hosted SQL server.
- Monitor changes with a lightweight server app running alongside SOLIDWORKS Electrical.
- Optionally switch to client-server mode for shared data and 3DEXPERIENCE® platform capabilities.

Benefits

Keep all users synchronized in real time across the local network.

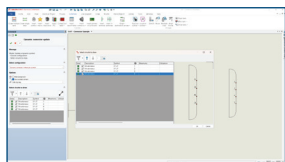


3 Side-by-Side Terminal Strip Drawing

- Place multiple terminal strips on a single page in horizontal or vertical layouts.

Benefits

Reduce documentation page count and make terminal strip drawings easier to read.

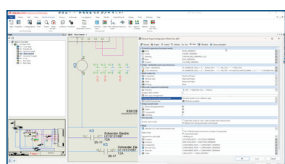


4 Dynamic Connector Insertion and In-Place Editing

- Place and edit connector symbols in a single unified workflow.
- Handle initial placement and postplacement updates in one step with the Dynamic Connector command.

Benefits

Reduce rework and shorten design iteration cycles.

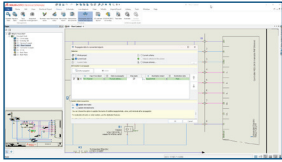


5 Component Mark Priority and Cross-Reference Order Control

- Choose between cross-reference relationships or symbol-type hierarchy when assigning component marks.
- Ensure the designated master symbol consistently drives the mark across all drawing types.

Benefits

Remove ambiguity in multisymbol and cross-referenced designs.



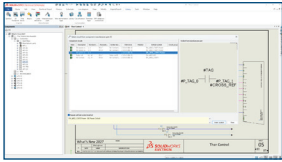
6

Skip Empty Data Propagation

- Protect valid destination data during automated propagation with the new Skip Empty option.
- Skip blank source values entirely, such as unassigned wire addresses, leaving existing destination data intact.

Benefits

Eliminate manual cleanup and prevent accidental data loss across large projects.



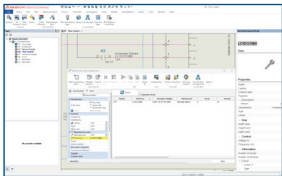
7

Electrical Design Productivity Enhancements

- Insert origin-destination arrows between different wire styles using a new split-button option.
- Get correct component marks and origin-destination formulas in single-line diagrams.
- Insert multiple manufacturer part circuit symbols in a row without reopening the selection dialog.
- Duplicate a project while choosing to keep or reset book and drawing revisions.

Benefits

Reduce clicks and restrictions for faster project workflows.



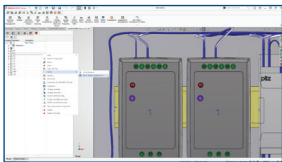
8

Expanded Manufacturer Data in the Electrical Content Portal

- Access over 71,000 TE Connectivity parts, 12,000 ODU parts, and manufacturer-verified SOCOMEC data directly in the Electrical Content Portal.
- Get complete electrical properties, symbols, multiface 2D footprints, and native 3D models with every part.

Benefits

Drop manufacturer parts into SOLIDWORKS Electrical 3D without rework.



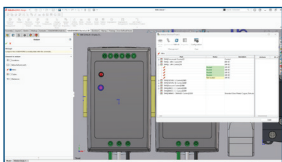
9

Bidirectional Navigation Between 2D Schematics and 3D Components

- Navigate directly from 2D symbols in SOLIDWORKS Electrical to their corresponding 3D components, and back again.

Benefits

Get instant traceability between schematic intent and physical assembly layout.



10

Change Analysis Between 2D Schematics and 3D Assemblies

- Compare locations, manufacturer parts, wires, cables, and harnesses between the schematic and 3D assembly using the Analyze command.
- Synchronize, route, or update differences in a single workflow.

Benefits

Reduce manual cross-referencing and coordination effort.

Dassault Systèmes is a catalyst for human progress. Since 1981, the company has pioneered virtual worlds to improve real life for consumers, patients and citizens.

With Dassault Systèmes' **3DEXPERIENCE** platform, 370,000 customers of all sizes, in all industries, can collaborate, imagine and create sustainable innovations that drive meaningful impact.

For more information, visit: www.3ds.com

**Virtual Worlds
for Real Life**

