Digital twins of product data available for all ECAD tools with just a few clicks

2023-05-10









Josef Schmelter



Engelbert Blumenthal

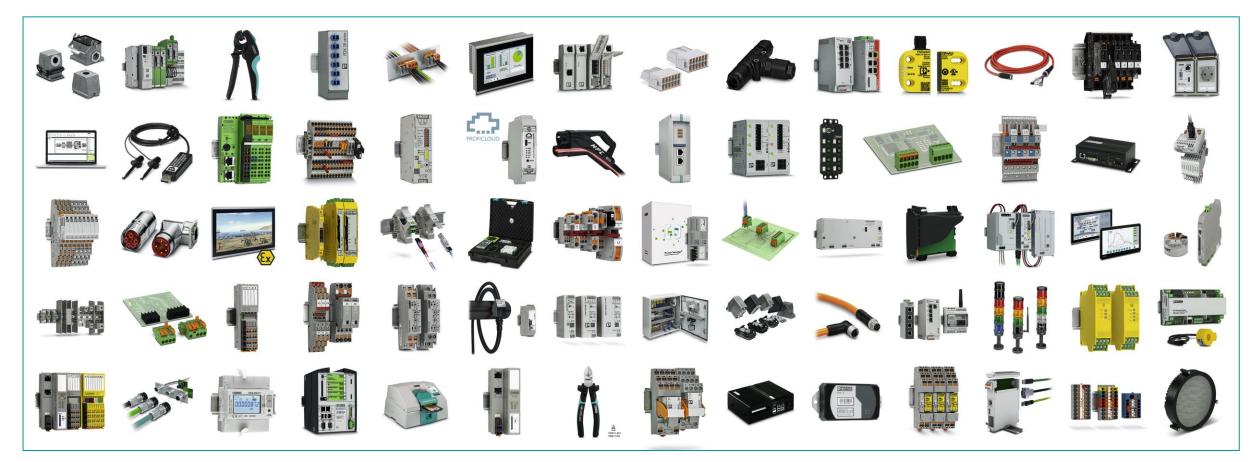
Digitale Zwillinge der Produktdaten für alle ECAD-Tools

- ECLASS AdvancedProduktdaten Standard
- Integration in bestehende ECAD-Tools
- Vereinfachung der Engineering Prozesse



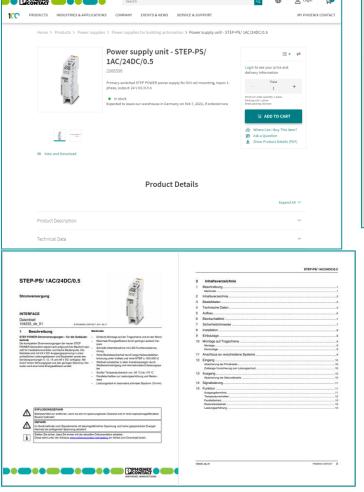
PHOENIX CONTACT product portfolio

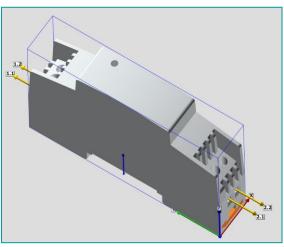
Our motivation - Optimal support for our customers in their applications with product data

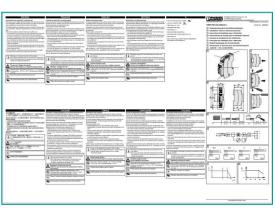


Product information management system – basis for product data





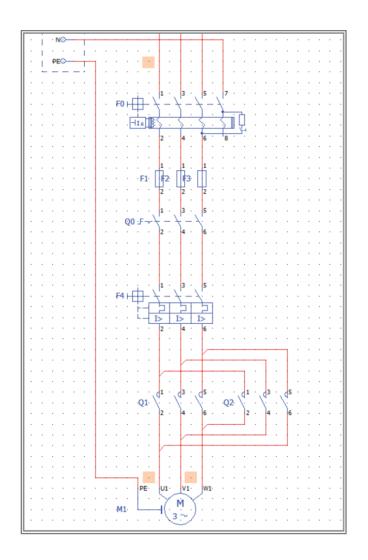


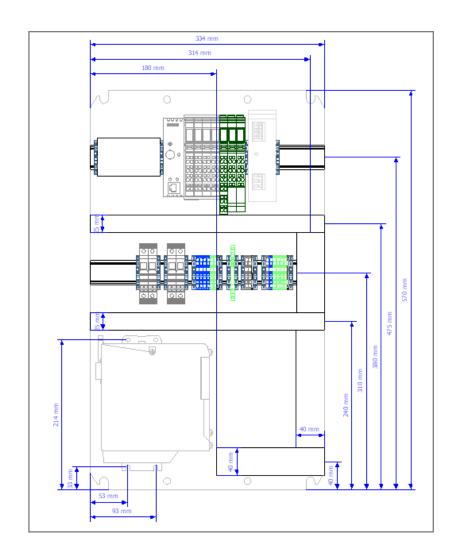


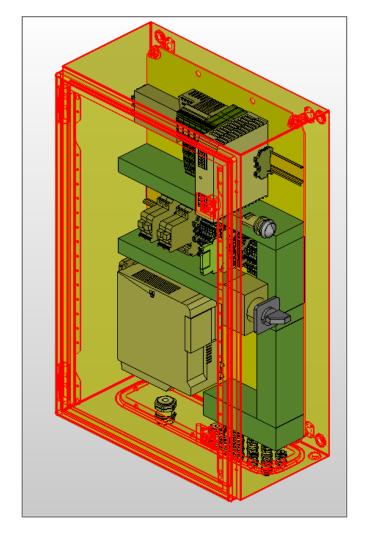




ECLASS in engineering applications









The ECLASS ADVANCED model is maintained via the ECLASS CDP

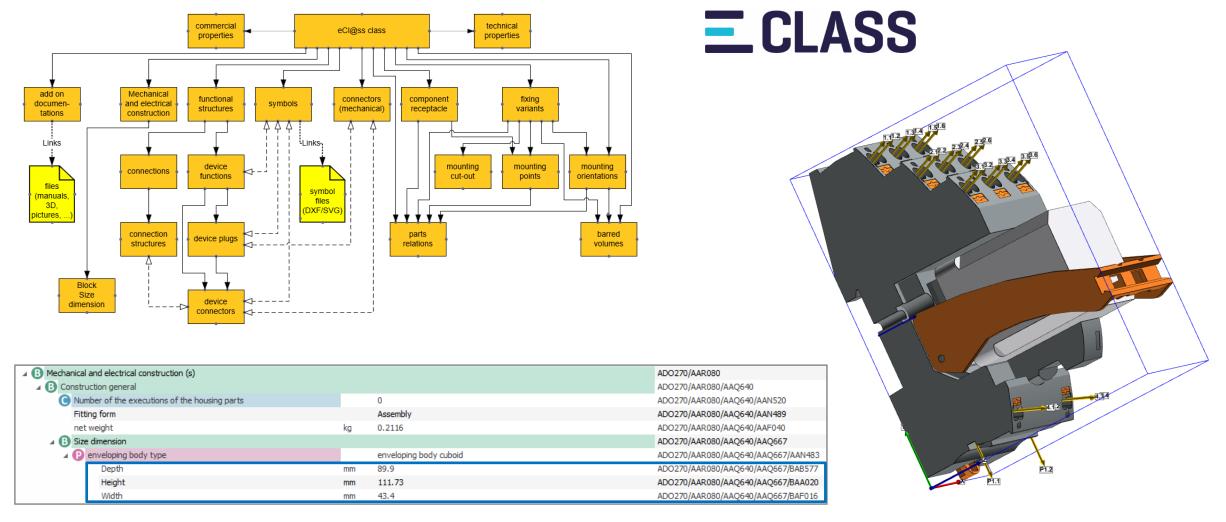
- All changes to the model are recorded via Change Request
- With each release generation, the changes to the previous version are recorded in Transaction Update Files (TUFs)
- The TUF files (xml) are machine readable and therefore data sets can be updated automatically





ECLASS in engineering applications

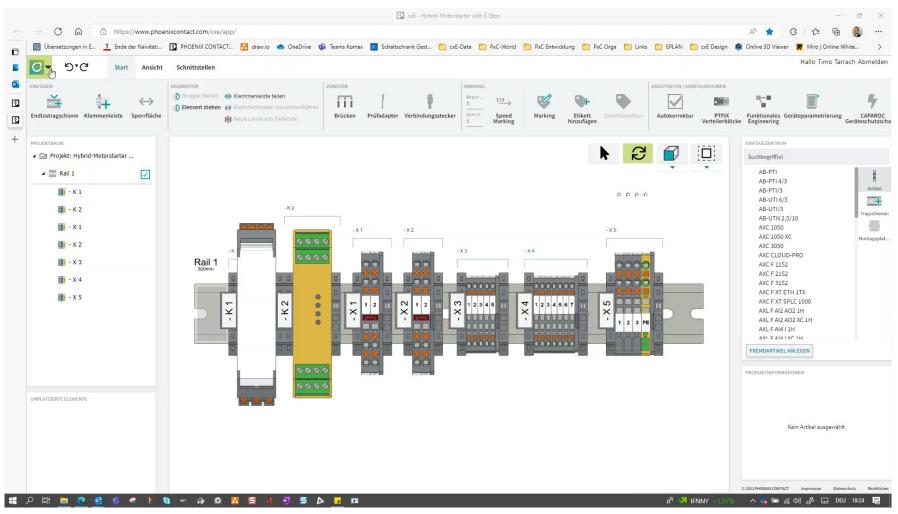
ECLASS CEG CAx develops uniform vendor-independent data structures



Application of product data - clipx ENGINEER









Digital product data twins for a smooth electrical engineering process





Siemens product data digital twins

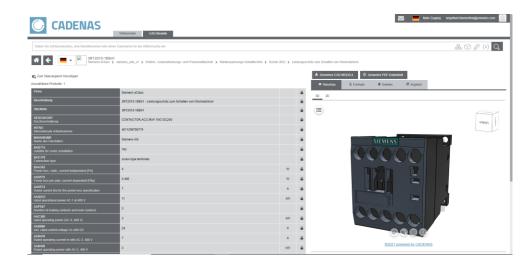
Siemens product data digital twins are available in ECLASS ADVANCED Community.

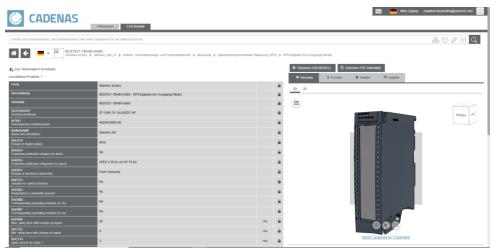
Siemens SI EP:

- 5SY Miniature circuit breaker
- 3VA1 Circuit breaker 3VA1
- 3RV2 Circuit breaker for motor protection
- 3RT2 Power contactor

Siemens DI FA:

- SIMATIC **S7-1500**
- SIMATIC ET 200SP
- SIMATIC ET 200MP
- SIMATIC ET 200PRO
- SIMATIC ET 200AL





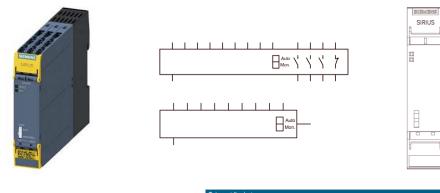


Efficient creation of product data with ECLASS ADVANCED import Siemens product data

With the ECLASS ADVANCED import Siemens and 3rd party product data can be imported. The products including properties, structure, connectors, 2D symbols and 3D model will be created in the product library. The ECLASS ADVANCED import reduces the effort to create new products.

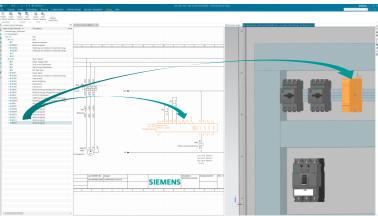
ECLASS ADVANCED import to create the product including:

- Properties
- Structure
- Connectors
- 2D symbols
- 3D model

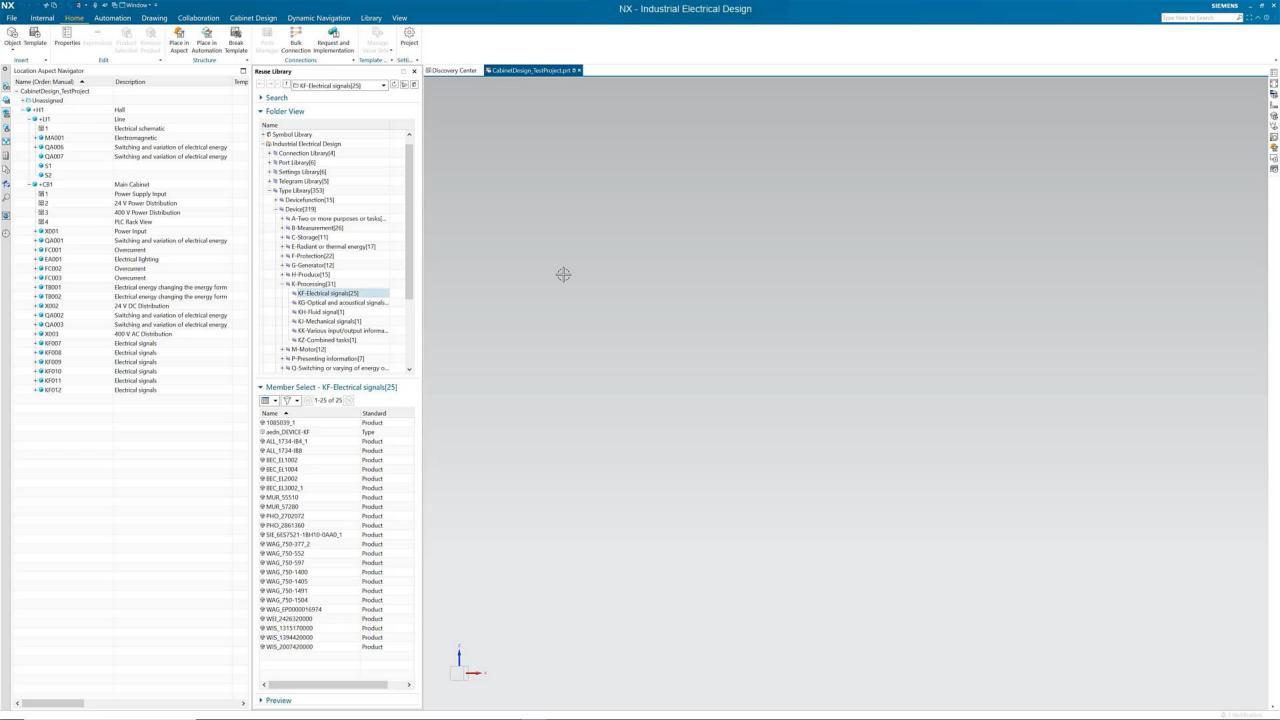




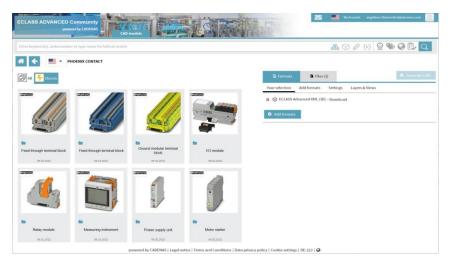


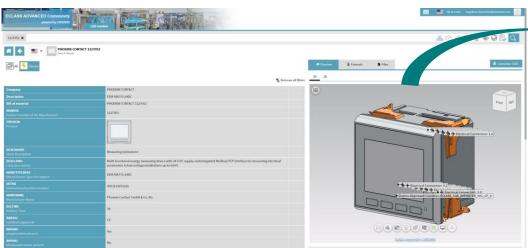




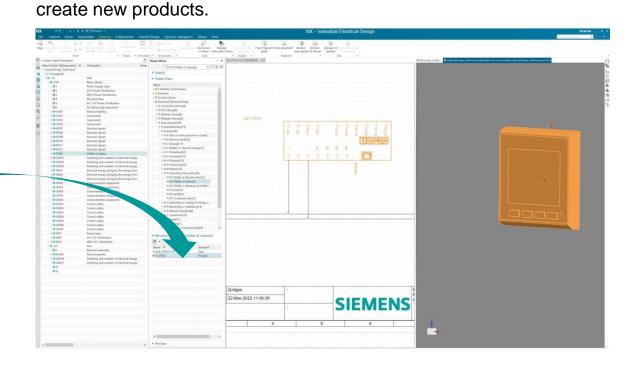


Phoenix Contact Catalogue Product Data

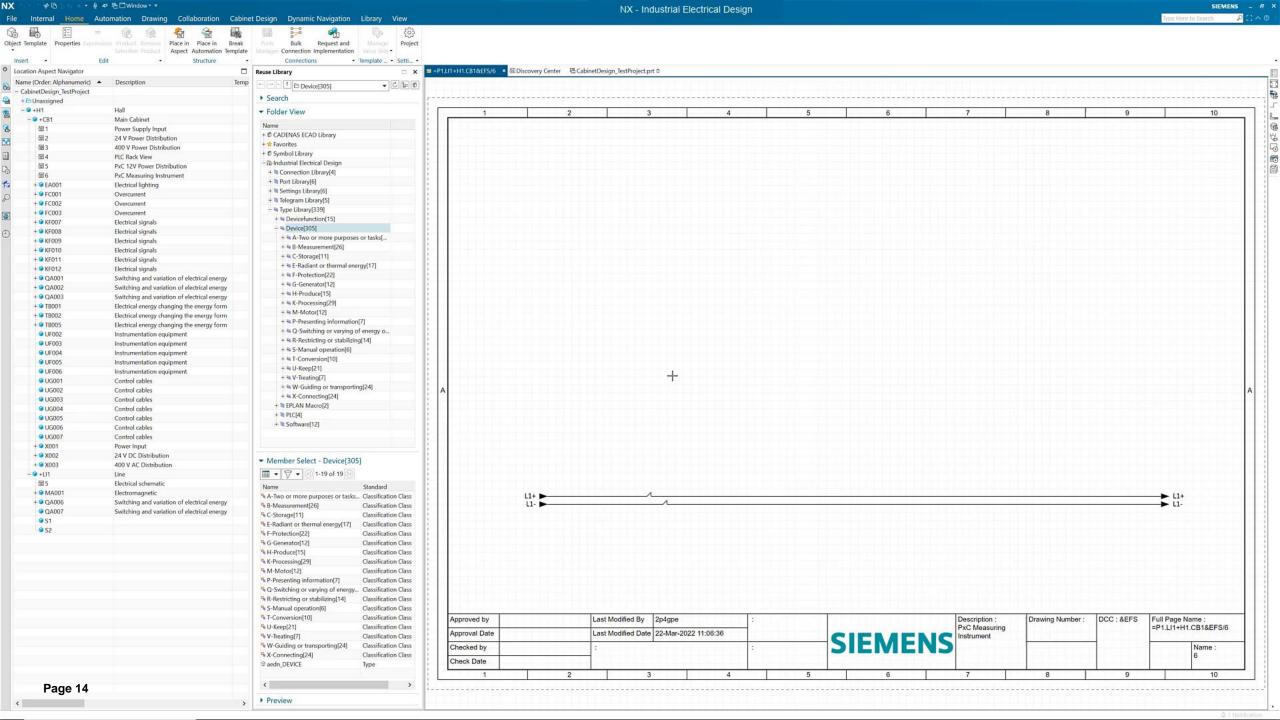




With the **ECLASS ADVANCED** import 3rd party product data can be imported. The products including properties, structure, connections, 2D symbols and 3D model will be created in the product library. The **ECLASS ADVANCED** import significantly reduces the effort to

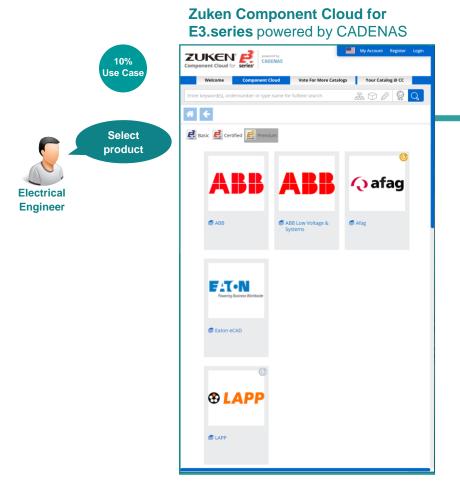


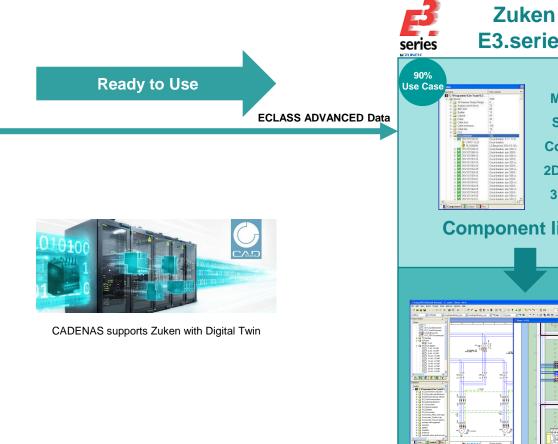


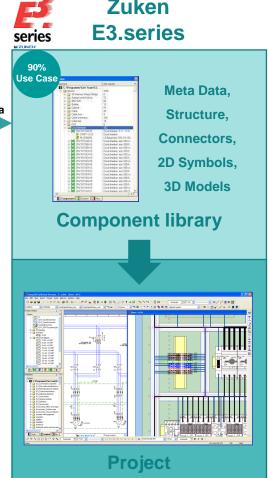


Zuken Component Cloud for E3.series powered by CADENAS

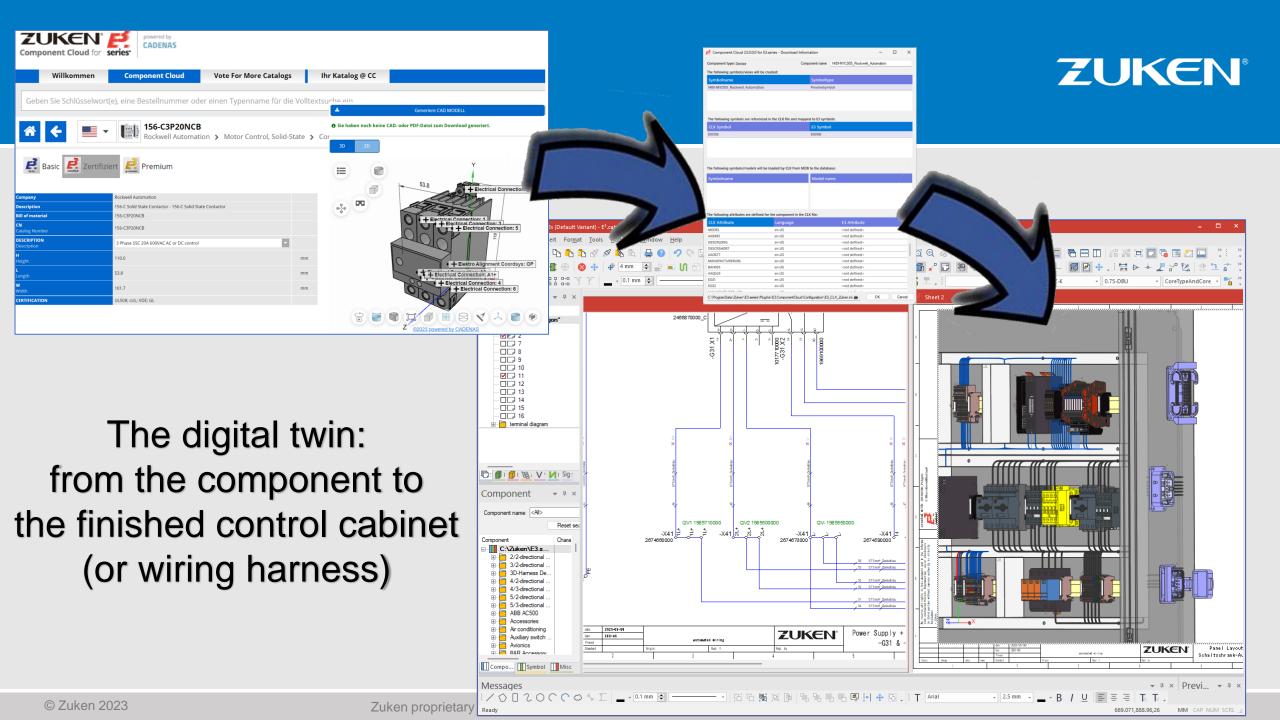
Digital product data twins for a smooth electrical engineering process

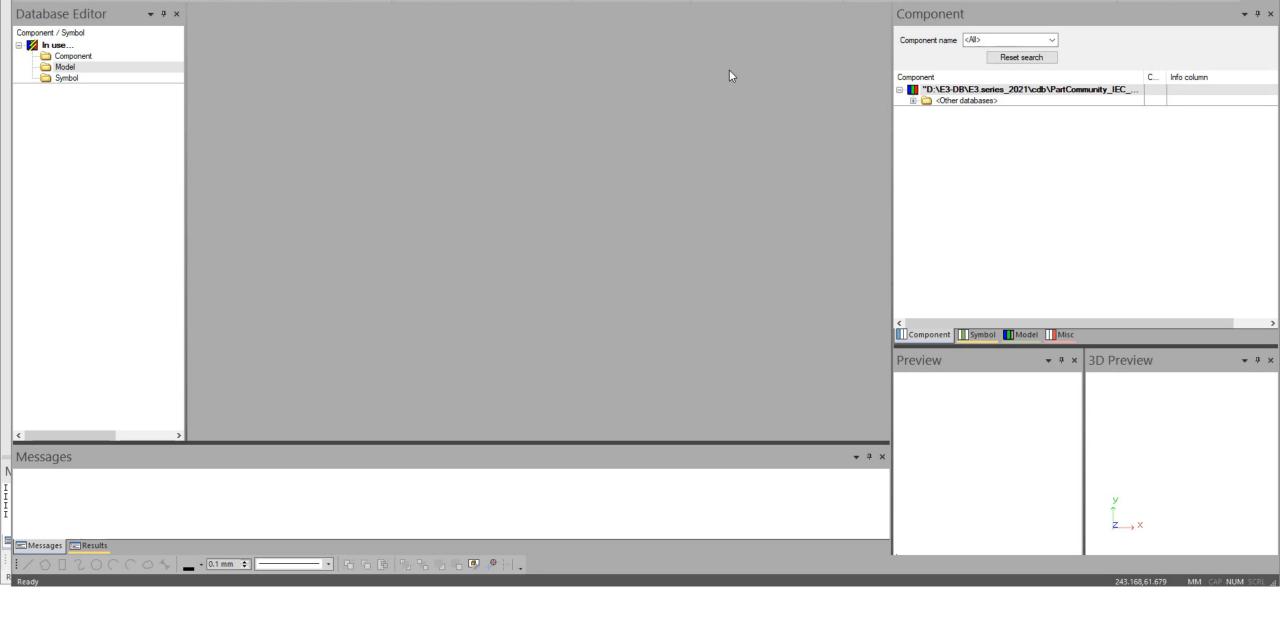








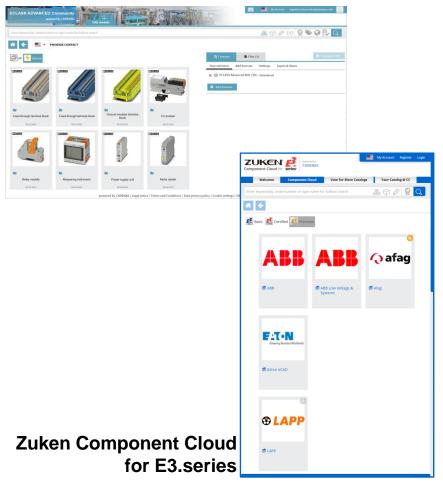




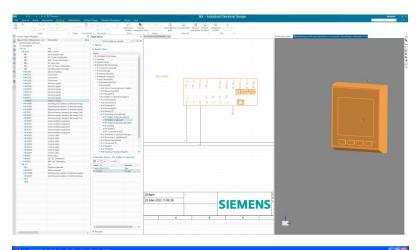


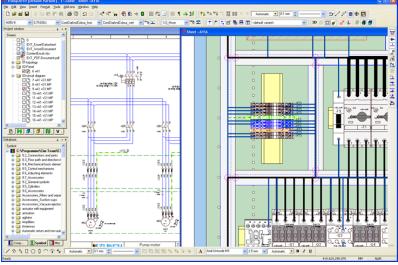
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ECLASS ADVANCED Community











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