TIA Selection Tool

Release Notes V2021.12

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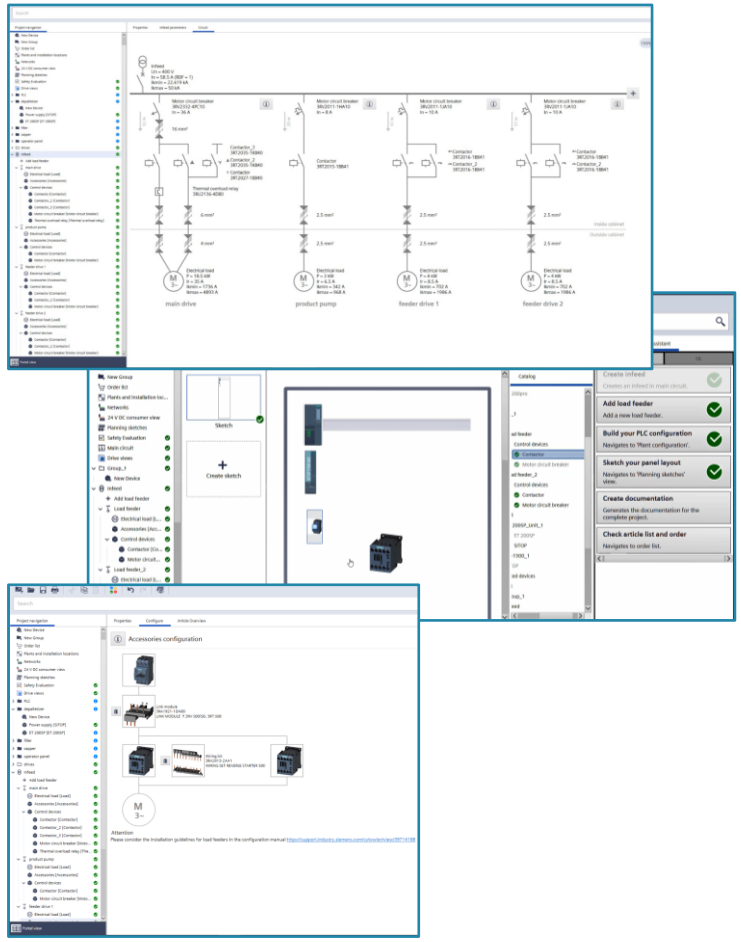
Features of Control Panel Design

New functionalities

- For US networks, main switches can now be designed according to the rules of UL508A. Depending on the desired device type (it is possible to choose between switch-disconnector 3LD5 and circuit-breaker 3VA), the total current is correctly determined and a suitable device is dimensioned.
- New user-defined loads are available for US networks. For a UL compliant determination of the total current it is important to describe the load type exactly. New load types are: Heating and VFD. These can be selected in the electrical load under "electrical behavior".
- User defined loads in IEC networks are now differentiated according to the utilization category (e.g. AC-3 or AC-1).



The following functions are new and only available as beta function:

- Protection device selection and cable dimensioning for user-defined loads in IEC networks. Protective devices can now be selected for user-defined loads in IEC networks. In addition, automatic cable dimensioning is performed after selecting a protection device.

The following functions are new and only available as technology preview:

- Soft starter dimensioning: Load feeder combinations with 3RW soft starters can now be dimensioned for IEC networks. An extensive simulation is created that selects the appropriate soft starter based on the motor and the application parameters.

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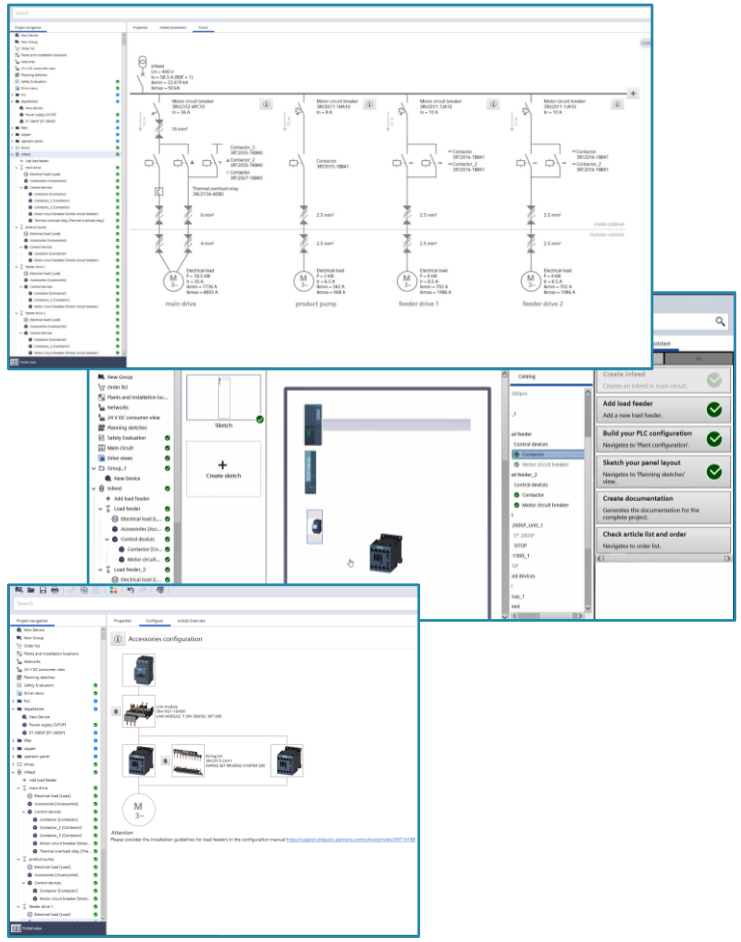
Features of Control Panel Design

Known issues

- The design of soft starter drive solutions is currently a so-called technology preview. This means that the functions can be tried and tested. However, when using the functions, errors, crashes or incorrect results may occur. For a safe dimensioning of soft starter drives we recommend to use the stand-alone "Simulation Tool for Soft Starters".

- In some cases it happens that not all elements of a main circuit are completely output in the printout and remain empty.



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