



| TIA Selection Tool

Release Notes V2022.05

Features

Only available in offline version

- **Integrated drive dimensioning** (see [here](#))
- **Control Panel Design** - Electrical dimensioning of main circuits according to IEC and UL (see [here](#))
- **Integrated Safety Evaluation** - Update SIEMENS VDMA library V1.21.0

Offline and Cloud Version

- **Industrial controls**
Electronic overload relay SIRIUS 3RB2 for high-feature applications (see [here](#))
- **Door coupling rotary drives**
Data updated



Product updates

New products and updates for ...

Controller

- **S7-1500/ET 200MP**
DI pin assignment implemented

Engineering and HMI-software

- **STEP 7 V17 (TIA Portal)**
TestSuite Adv V17+PLCSIM Adv V4.0 Bundle (6ES7823-1TE07-0CA5) added

I/O Systems

- **ET 200x**
Images updated
- **ET 200SP**
"Number of operable ET 200SP modules, max." updated

Panels

- Color lenses for illuminated push buttons at Extension Units added



Product updates

New products and updates for ...

Industrial Communication / Power Supplies / Identification and Localization / Connection system

- **Identification and Localization**

- New accessories DIN rail mounting for RF650R, RF68XR (6GT2890-0AB00) added
- New accessory spacer for RF620T 6GT2898-2AA00 added
- New accessories for RF360T transponder added
- RF600 accessory "Mounting plate for RF600 reader/antennas" (6GT2890-2AC00) added

- **DC-USV**

Data updated

- **IPC**

Data updated



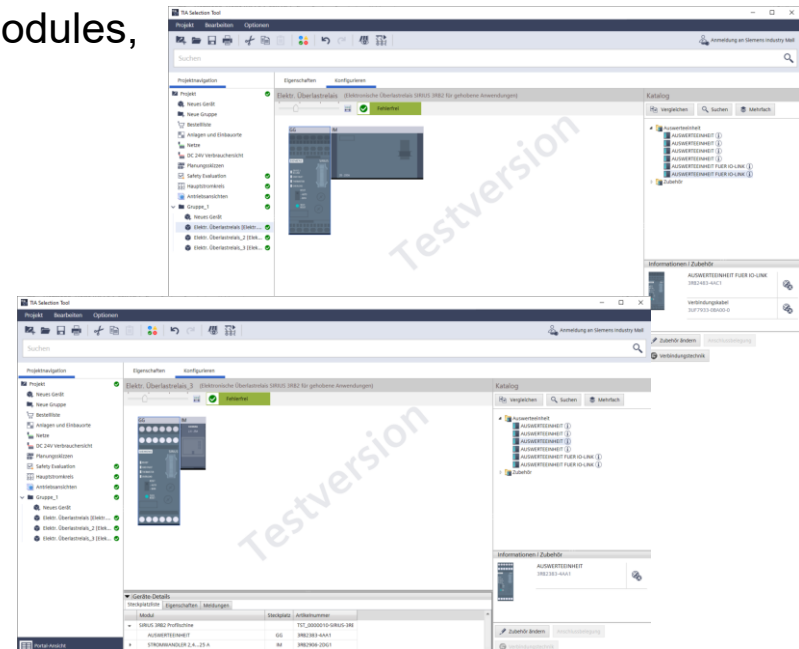
Product updates

New products and updates for ...

Electronic overload relay SIRIUS 3RB2 for high-feature applications

- Selection of Processing Unit 3RB22, 3RB23 und 3RB24
- Selection of suitable Current Transformer 3RB29
- Easy selection of your accessories such as connection cables, function modules, and much more

Find these products in our new configurator under „Industrial controls“



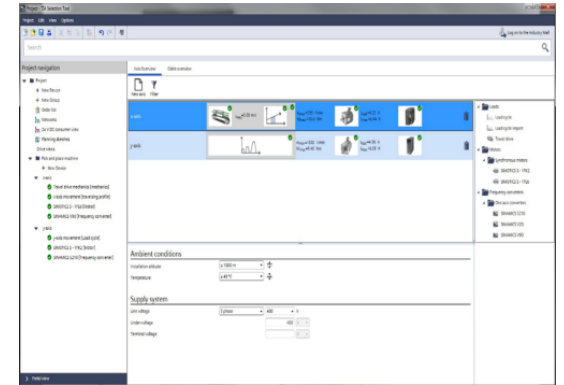
Features of the integrated drive dimensioning

New functionalities and products

- 1FT2 motors now combinable with planetary gears. New shaft height 30mm
- New spindle motors 1PH8 (up to shaft height 160mm) and 1FE2
- Printing: A new drive components summary with all axes in project will be printable (relevant especially for multi axis setups)
- Printing: A new compact documentation for dimensioning data is created, with only 2 pages per axis
- Datasheets: For motors and converters a new download link to product datasheets is available directly from TIA Selection Tool
- Lots of other bug fixes and improvements

Not supported

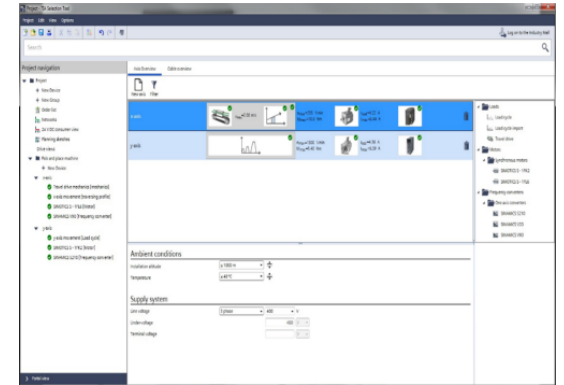
- Help system: There is no special help system provided
- No project import



Features of the integrated drive dimensioning

Known issues

- 1FE2 configuration: The option for ordering stator and rotor separately does not work correctly. Actually only 1 product is ordered.
- SINAMICS S120 Drive-CLiQ editor not yet complete. So far only simple DQ cable selection available.
- SINAMICS S120 printing documentation not yet complete.
- After loading older projects, SINAMICS G115D products are incorrectly displayed as no longer available. Selected inverters must be deleted and reselected manually.
- Assignment of axes to SINUMERIK CPUs is not checked for viability.
- 1FK2 with planetary gears - Filtering and sorting currently not according to the system values.
- There are configurations which are not available in the 24 V DC power consumer view.
- There are situations in which options that have already been configured cannot be retained after changing a selected motor.



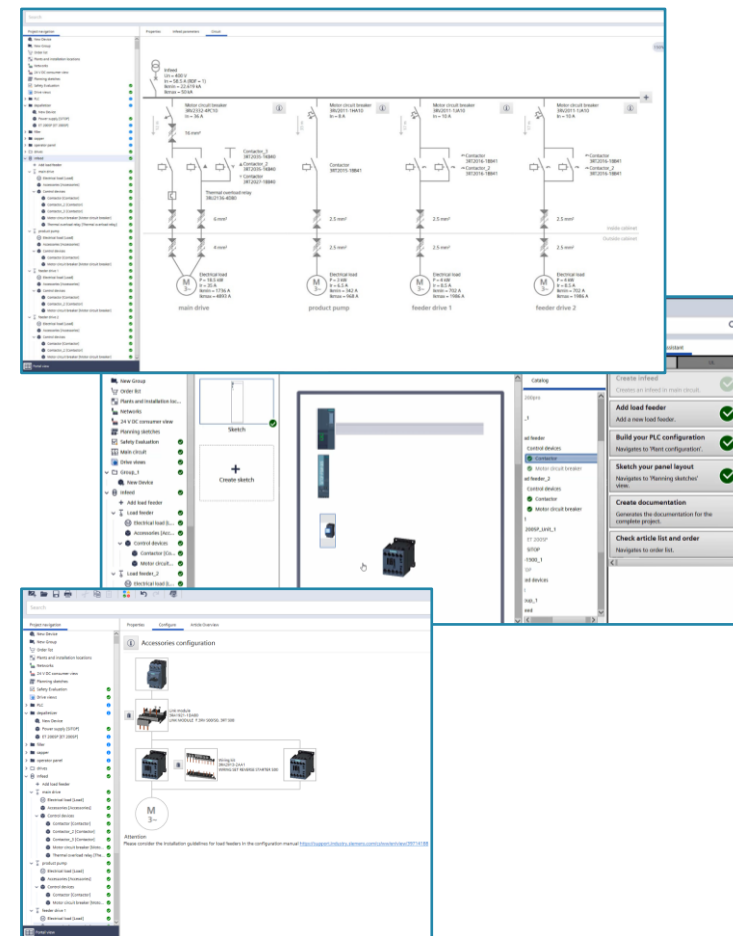
Features of Control Panel Design

New functionalities

- For IEC user defined loads you can now select miniature circuit breaker and gG fuses as protection device. Backup protection is not considered. The selection of SENTRON miniature circuit breaker 5SY is only possible if the maximum short circuit current of the infeed is not higher than 35 kA. When using the standard value of 50kA there won't be any results after clicking on the calculate button.

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

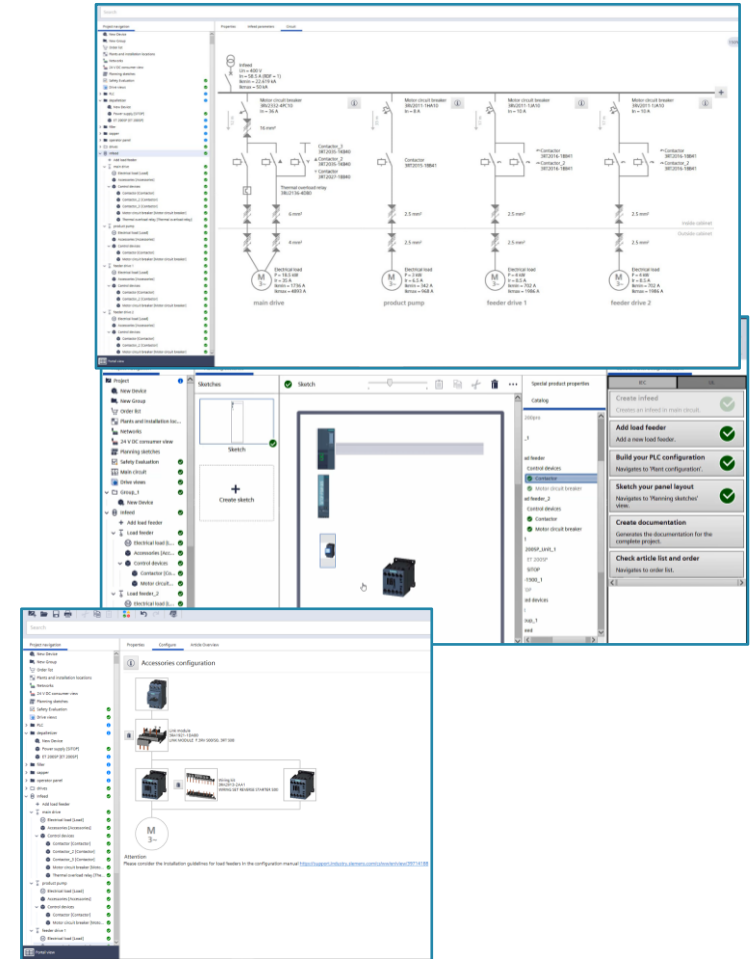
- Soft starter dimensioning: Load feeder combinations with 3RW soft starters can now be dimensioned for IEC networks. An extensive simulation can be created that selects the appropriate soft starter based on the motor and the application parameters. Also the user experience was optimized and improved compared to the technology preview.
- Hybrid starter for ET 200SP: For IEC networks now SIRIUS hybrid starter for ET 200SP can be dimensioned and configured. For loads up to 5.5kW you can choose either a load for constant or periodic operation. In case of periodic operation you can set the appropriate application parameters to dimension the hybrid starter correctly.



Features of Control Panel Design

Known issues

- In some cases it happens that not all elements of a main circuit are completely output in the printout and remain empty.
- In some cases it may happen that TIA Selection Tool crashes, when then load type gets changed several times and then the a calculation is proceeded under control devices.
- In user defined loads a selection of miniature circuit breaker 5SY is only possible, when the maximum short circuit current of the infeed is not higher than 35kA. Backup protection is not considered.



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