

Weidmüller Configurator (WMC)

User manual



WMC

Version 2023-11
Software version: V2023.1

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Release Notes

The latest changes from the WMC can be found [here](#)

Introduction

Facts	Customer Benefits
Engineering Software for all Weidmüller products (Free download)	Create customer specific solutions
Over 12.000 Weidmüller products available (Relational knowledge)	Rail components, terminals, electronic, remote IO, enclosures, accessories
Engineering with functional and application assistants (Application knowledge)	Pre-defined applications and assortments , template projects collision detection & auto completion, define marking and connections
Integration with leading ECAD Systems (EPLAN, Zuken E3, IGE XAO SEE, SDProget SPAC)	Efficient digital engineering (“From circuit diagrams to terminal rails with marking and fitting enclosure”)
Integrated request offer with assembly services (Industrial Automation)	Pre-assembled terminal rails with enclosures in a fast delivery service

Installation guide

How to

Download the latest setup from our Weidmüller [website](#) and run it to install the Weidmüller Configurator to your system. After the installation there will be a desktop icon and an entry in the start menu. To start WMC double-click the desktop icon or search for Weidmüller Configurator in your start menu. The WMC will automatically check for any updates on every start up.

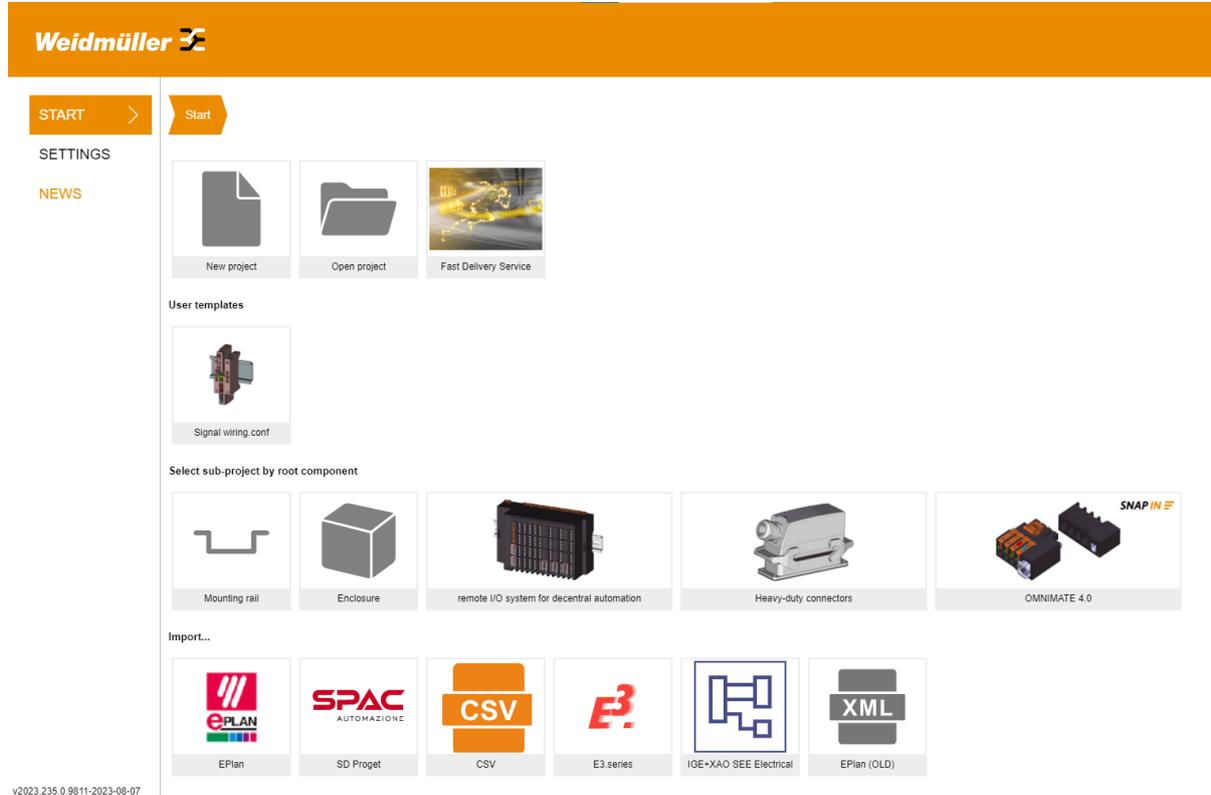
System requirements

- Microsoft Windows 10 64bit, Microsoft .NET framework 4.7 or higher
- Intel Core i3 or higher
- 4GB RAM, 10GB HDD
- Direct-X 9 graphics or higher, 24” monitor with 1920x1080
- Web access for installation/ updates/ full program functionality

Startpage

The Startpage of the WMC shows all different options for starting a new or open an existing project.

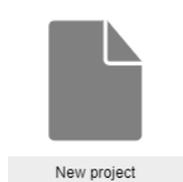
It also gives the option to start with an ECAD import or change the general settings of the WMC.



START

New project

The start with *New project* shows you all possible articles to start a new project with, not filtered by the product type.



Open project

With *Open project* you can choose an existing WMC project from your computer. Besides you can choose a project from your *Recently used documents*.



Fast Delivery Service

To start a project within our *Fast Delivery Service* to benefit from this service you can choose between different Service Levels either for assembled terminal rails or enclosures.

The *Fast Delivery Service* will be explained in detail in an [additional section in this manual](#).



User templates

To have an easy and efficient start in you project you can save a configuration as a user template via “save as template...” from the working area. More on [Save as template](#)

User templates



Select sub-project by root component

This section gives you all possible root devices to start your new WMC project with. It is possible to choose a general start with either a terminal rail or an enclosure, directly with one of our Application assistants or with a template project.

Our Application assistants will support you to find the best fitting solution for your demands by only answering technical questions regarding your application.

The Application assistants will be explained in detail later in this manual.

We also already implemented some template projects in the WMC to give some samples of projects which could be created with the software.

Select sub-project by root component



Import

The WMC has plugins to connect the ECAD Tools for exchanging data. Zuken E3.series and EPLAN are supported by now. IGE XAO SEE Electrical Expert and SDProget SPAC can be used without Plugins. In addition, CSV-files can also be imported.

To start a project directly from an ECAD software or to install an interface you can found the detailed [ECAD Interface](#) described separately in this manual.

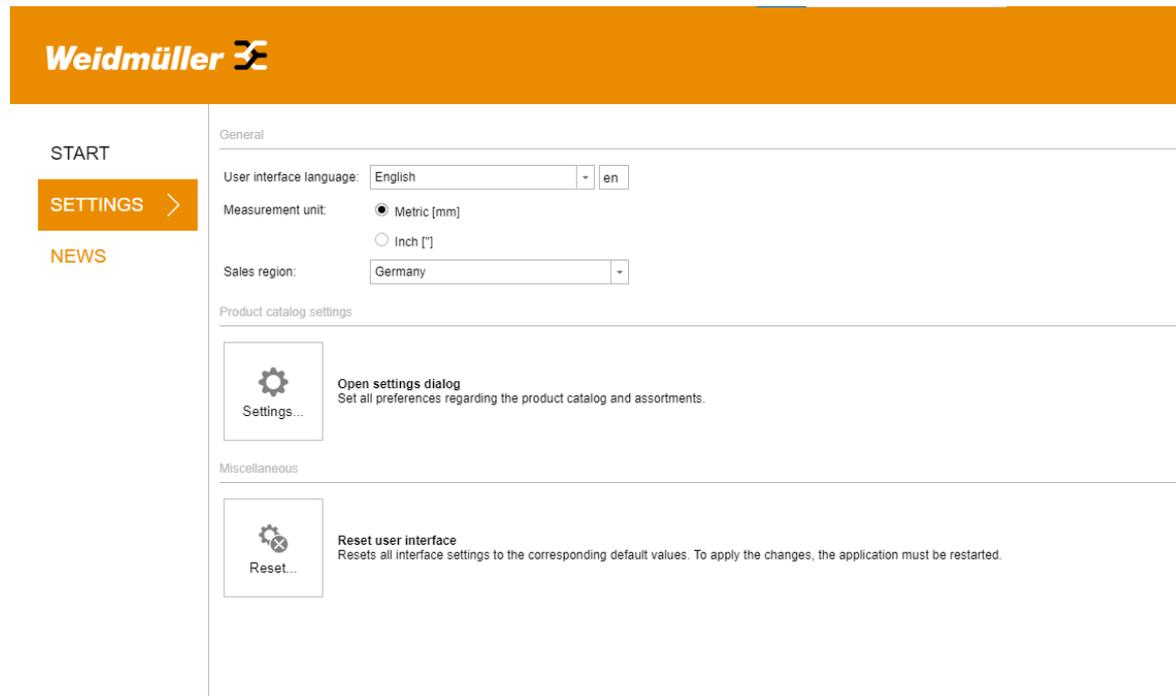
Import...



SETTINGS

The settings section gives all possible options to adjust the WMC to the personal use like user interface language, measurement unit or the sales region.

If there are any problems regarding the user interface of the WMC it is possible to reset this here.



NEWS

From the start page you reach a tab called "NEWS". The news section provides a lot of information about the WMC, latest news and the associated products. Videos on current topics and products are listed there and helpful links are provided.

Weidmüller

START
SETTINGS
NEWS

News

Highlights

- WMC first steps
- New EPLAN interface
- Digital Engineering

Features

- Release Notes
- User Manual
- EPLAN to FDS
- EPLAN Interface Manual
- Zuken E3 to FDS
- FDS terminal rails
- FDS enclosures
- FDS drilled enclosures
- FDS Ex cert. enclosures
- Adding a 3rd component
- Modular elec. housing

Product news

- From Detmold with Love
- SNAP IN
- SNAP IN Tech Talk
- Current and voltage tran...
- Control voltage distribu...
- Building installation AITB
- Kippon TB enclosures
- Cable entry system
- Cable entry plates
- Interface dig. Marking

v2023.1.230.9845-2023-11-06

Working in the WMC

The main view of the WMC is structured in different sections. The toolbar, the Product finder, the 3D workspace, and the Output message box.



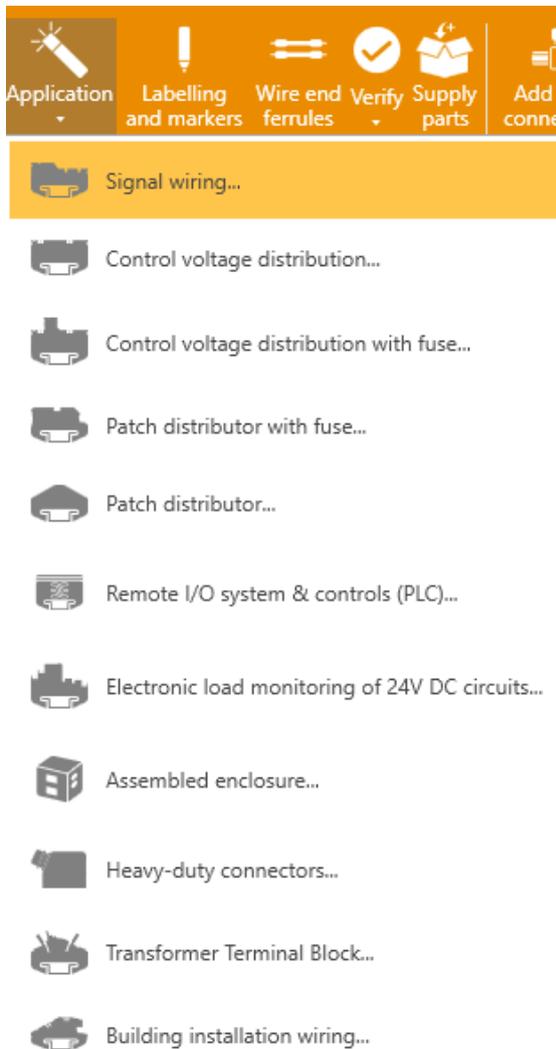
Toolbar

The toolbar gives shortcuts to important functions to help with the assembly of your project.

Assistants

Application

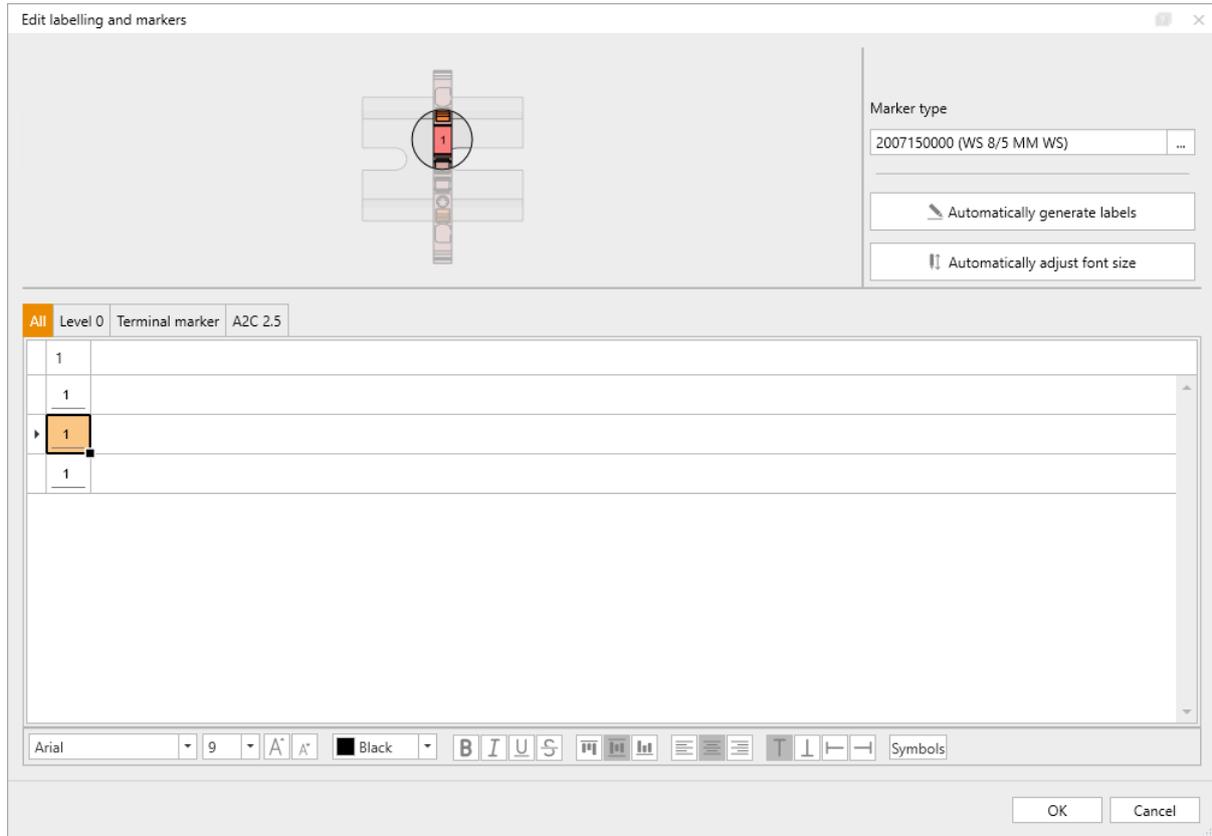
Our Application assistants help you to create solutions for special applications quick and easy by answering technical questions to your requirements. The assistants will automatically build up a solution based on this information.



You can find more about the assistants [here](#).

Labelling and markers

With the Labelling and markers assistant you can easily add markers to your configuration and edit the labels.



The assistant is separated in different sections.

At the top left you can see a 3D preview of your project including the markers and labels. The selected marker position from the grid is highlighted.

At the top right position, you can select the marker type for your selected positions in the grid. The functionalities for *Automatically generate labels* and *Automatically adjust font size* can help you with your configuration.

The grid shows an overview of all possible positions for markers in the project. Each white cell is a possible position to place a marker on. You can select these cells and they will be highlighted in your preview. The grid can be grouped by the different types of components by choosing one of the tabs above.

You can use copy and paste to edit the labels. Besides it is possible to automatically continue existing schemes like you know from excel (1,2, 3...).

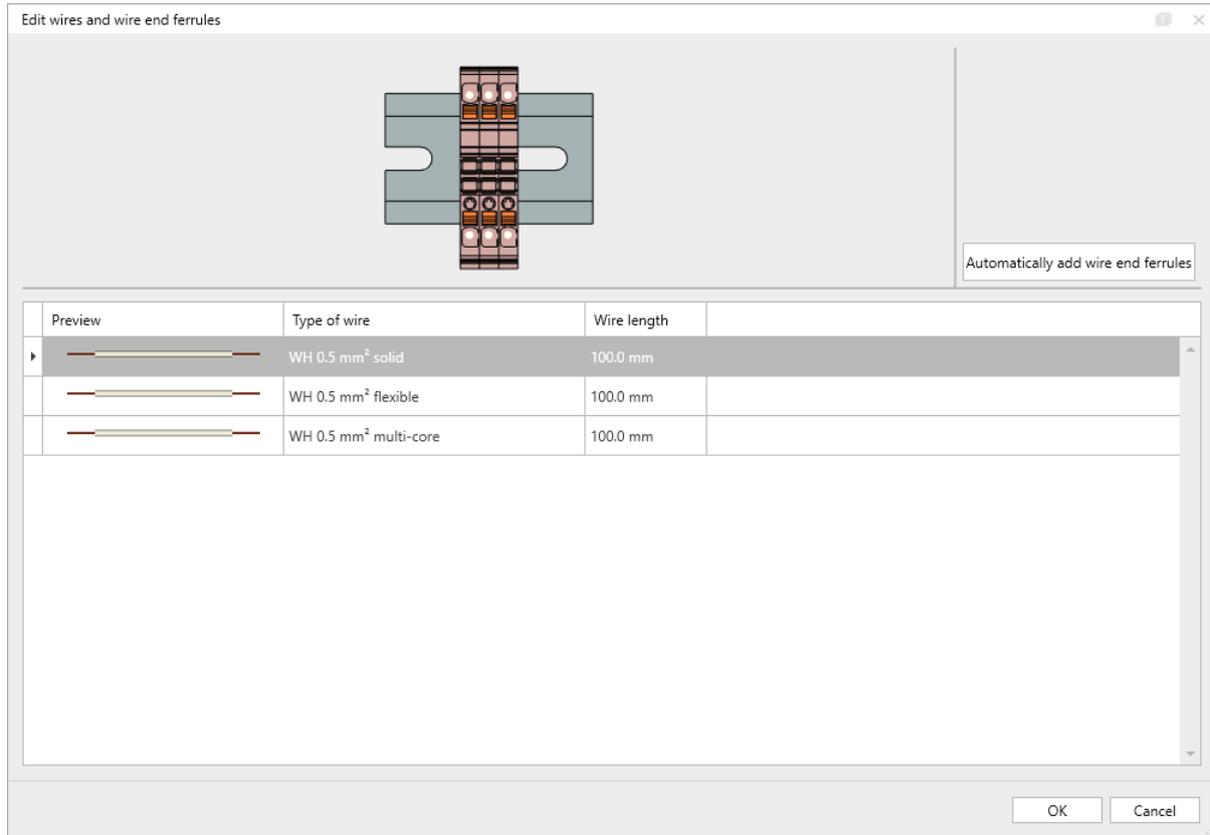
To create a line break, use the shortcut ALT+ENTER in a cell.

The lower section of the assistant shows all options for editing labels.

When all marking steps are done the OK button will transfer everything into the project.

Wire end ferrules

With Wire end ferrules you can add end ferrules to existing wire connections.



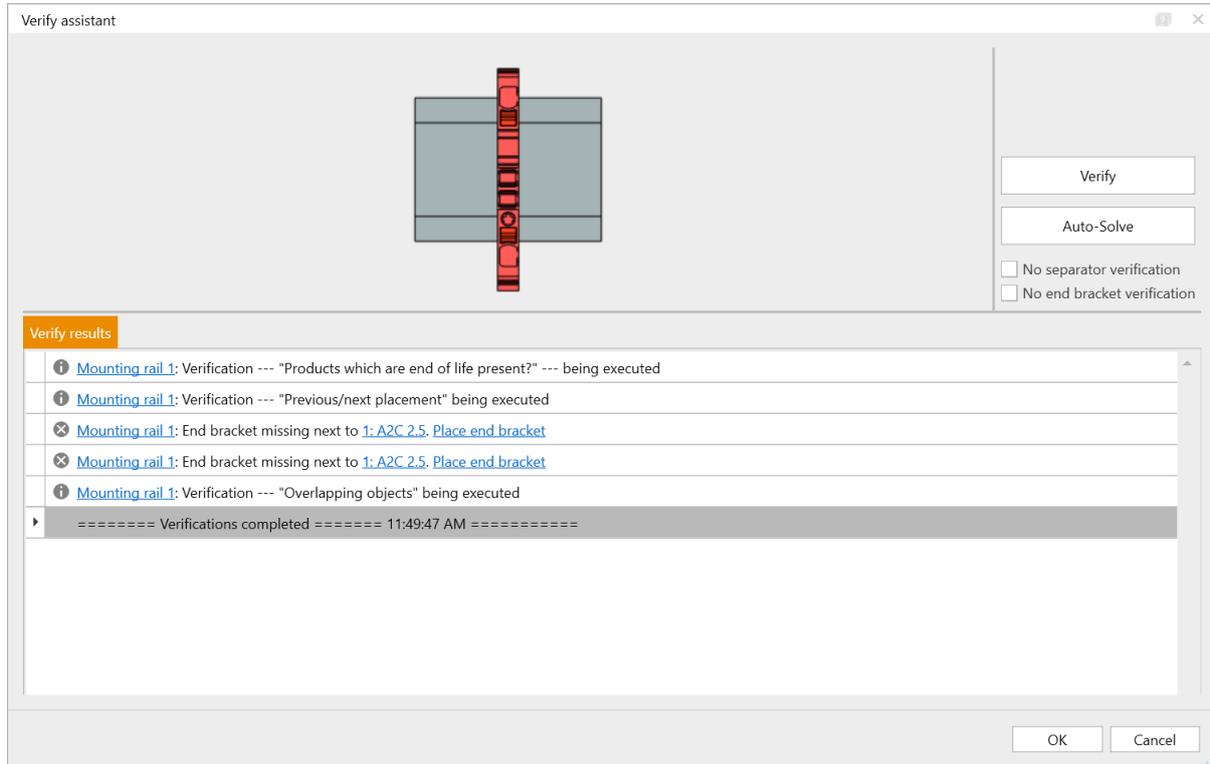
The assistant is separated in a 3D preview, a list of all wires included in your project and a button for *Automatically add wire end ferrules*.

You can either edit each wire by opening the properties with a double click or use the automatic function and choose the type of the end ferrules.

If you are ready with the editing, you can save the information by clicking OK.

Verify

The verify assistant either checks the complete project or current tab for any upcoming problems in the assembly.



The window gives you an overview of your project and a list of all verify results. Components with any problems are marked in the 3D preview.

To solve problems, you can either go through each entry in the list manually or use the *Auto-Solve* function for an automatic solution.

It is possible to exclude the separator and/or the end bracket verification in case that you need this for your assembly. This setting extends the use cases for our Fast Delivery Service.

Functions

Supply parts

Supply parts are articles you want to add to your project without placing them physically in your configuration. This can be useful for accessory or replacement parts.



You can choose your supply parts from all articles included in the WMC. Supply parts are added to your bill of material.

Add wire connection

With this function you can add wires to the articles in your project. You can either choose a starting and ending point or you just set a starting point and press the Enter button.



Subsequently you can set the properties of wires like colour, type, cross section, length and end ferrules.

After you are done, you can save the information by clicking OK.

Add cross-connector

You can easily add cross-connectors to your project by using this functionality. After activation of this function the articles in the view of the 3D workspace changes to transparent and each possible cross-connection point is shown as a little grey square.



You can now choose the starting and ending point of your connection and the specific article, you want to use for this cross-connection.

Each pin of your cross-connector which is connected is shown as a green dot. You can break out pins by double-click on this dot and it changes its colour to red.

Please note that there are some special types of cross-connectors which may can be handled slightly different like stepdown bridges or non-breakable connectors.

Add dimension

You can add user specific dimensions to the view of your assembly which can also be shown at the documentation exports. To add a new dimension, use the *Add dimension* function and choose a starting and an ending point.



Please note that it is only possible to choose specific points of the articles. The position is shown by a little green dot.

You can select, rearrange, and delete manually created dimensions in the 3D workspace.

Add busbar

You can add bus bars as accessory between some articles like bridges. This function will show you all possible fixing points for a bus bar.



You can choose the starting and end point of your connection and place a bus bar.

Add comment

You can add free placeable and rotatable comments which can also be shown in the project documentation. The comments are only visible in the placed view.

**Modes****Selection**

In the *Selection* mode you can select one or several articles in your assembly with your cursor. Selected articles are marked orange in the workspace.



You can use different combinations to select multiple articles. You can either mark an area by click and hold the left mouse button or use the combination of STRG+ left mouse button (multiple articles) or SHIFT+ left mouse button (from article to article).

You can rotate the view of the 3D workspace in the selection mode by clicking and hold your middle mouse button and move with the right mouse button.

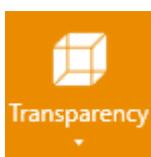
Rotation

In the *Rotation* mode you can use your left mouse button to rotate the view in the 3D workspace. To move the view, use your right mouse button and to rotate in 2D use your middle mouse button.

**Transparency**

The *Transparency* mode can set different types of components as transparent which makes it possible to look through the articles and see accessory, markers and cross connectors for a better overview.

Articles which are not checked in the dropdown are set as transparent.



View

There are different pre-defined views and display options in the WMC to simplify the navigation and work in the 3D workspace.



Please note that additional information can only be displayed in 2D view positions (Front, Bottom, Left, Back, Top, Right).

Request

With the *Request* button you can send your complete project to Weidmüller to get a quotation. You must fill in your contact data and choose your preferred delivery type.



You can choose between a pre-assembled project or individual parts with and without the terminal rail as a delivery type. If you are registered for the Fast Delivery Service, you can choose the service level you want to use for your request. Otherwise please select *Manual offer* which will lead to a standard quotation of your project assembled by Weidmüller.

Request

Please complete all entries marked with a * so that we can process your request.

First name * <input type="text" value="Max"/>	Phone * <input type="text" value="012345-678910"/>
Last name * <input type="text" value="Mustermann"/>	Company * <input type="text" value="Weidmüller"/>
Fax <input type="text"/>	Street * <input type="text" value="Klingenbergstraße 26"/>
Email * <input type="text" value="max.mustermann@mustermail.com"/>	PO box <input type="text"/>
Postal code * <input type="text" value="12345"/>	Your request number <input type="text"/>
City * <input type="text" value="Musterstadt"/>	Designation for your request <input type="text"/>
Sales region * <input type="text" value="Germany"/>	

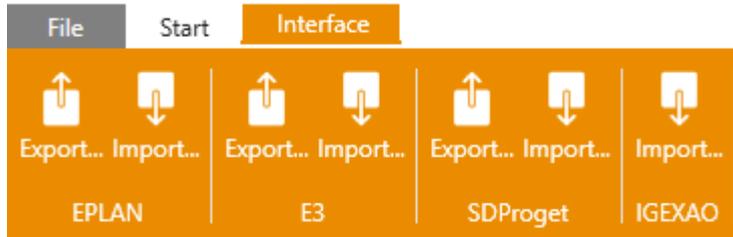
Delivery Assembled product Individual parts without terminal rail Individual parts including terminal rail

Service level (Fast Delivery / Offer = automatic offer):

	Name	Quantity	Packaging unit...
	Mounting rail 1	1	1

Interface

The "Export" and "Import" functions of the various ECAD systems such as EPLAN, Zuken E3, SDProjet and IGE+XAO are located under the "Interface" tab.



With the *Shopping cart* you can create a simple csv list which contains all articles used in your project to transfer this data to a distributor shop or other systems.

It is possible to exclude terminal rails and third party components from your list.

Bill of material

Please upload the generated CSV file in your preferred and participating webshop.

Exclude terminal rails Exclude 3rd party components

Article number	Quantity	Description	Vendor	EAN
2570210000	2	AEB 35 SCL/1	Weidmueller	4050118581447
0514510000	1	TS 35X7 5/LL 1M/ST/ZN	Weidmueller	4008190116620
1112910000	2	WAD 5 MC NE WS	Weidmueller	4032248891689
1521680000	5	A2C 2.5 PE	Weidmueller	4050118328189
2007150000	105	WS 8/5 MM WS	Weidmueller	4050118392029
1521880000	5	A2C 2.5 BL	Weidmueller	4050118328141
1527790000	1	ZQV 2.5N/5 BL	Weidmueller	4050118448627
1521850000	25	A2C 2.5	Weidmueller	4050118328080
1527670000	2	ZQV 2.5N/8	Weidmueller	4050118448405
1527720000	1	ZQV 2.5N/20	Weidmueller	4050118447972

Save Close

Product finder

The *Product finder* is located on the left side of your WMC workspace. It shows all Weidmüller articles which can be placed in your current project.



Articles which can't be placed (mounted) in your current project are not shown in the product finder.

Search

You can search for articles in the product finder by either using the general search at the top or the search for a specific column.

The general search scans all attributes of all articles and shows the result in the product finder with the search term marked.

To search more specific, you can look up your search term only in specific columns. In this case you get a more detailed result. Your search term is marked in the result as well.

Customization

You can customize the groups and columns of the product finder to adjust it to your personal needs. To add an attribute as a group you can drag and drop it in the position you want to place it. In the same way you can add or move attributes in columns.

To add new attributes to your product finder you can use the little plus sign and choose an attribute from the pop-up window. To delete attributes, you can drag it and drop in the 3D workspace of the WMC, a little symbol will indicate the operation.

At the top of the product finder you can set global filters which are valid for the whole configuration.

Article placement

To place an article, you can either drag it to your workspace and drop it at the position you want or press the enter button on your keyboard.

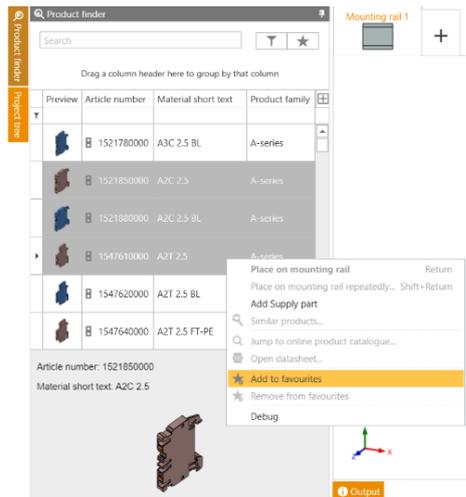
To place an article repeatedly you can use SHIFT+ENTER or the context menu opened with a right click.

Article information

It is possible to get additional article information by opening it in the online catalogue or by downloading a pdf datasheet. You can find both options in the context menu of an article which can be opened with your right mouse button. Please note that for both functions you need an online connection.

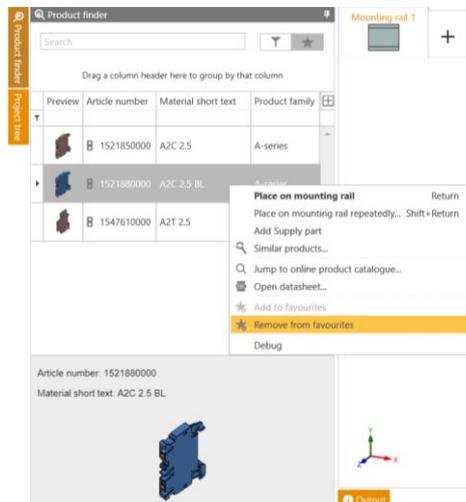
Add favourite articles

By right clicking on one or more articles in the product finder, the context menu appears. Here you will find the option „Add to favourites“. Once you have added an item to your favourites, it will always be displayed at the top of the list in the product finder so you can find it very quickly.



By clicking on the star icon, the favourites tab opens where only the items that you have added to your favourites will be displayed.

To remove an item from your favourites, just right-click on it again and choose „Remove from favourites“ in the context menu.



Project tree view



The project tree gives you a real time overview of the active project. It makes it easy to navigate to single articles in the structure.

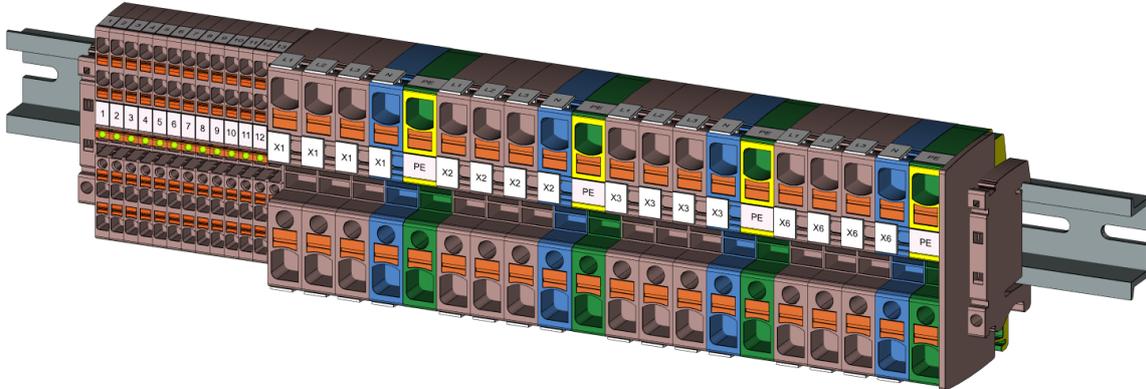
A selection in the project tree simultaneously selects the same article in the 3D workspace and vice versa. Besides it is possible to open the right click context menu on an article in the project tree.

The project tree always shows the element names depending on your view setting for your 3D workspace so that both information are displayed the same.



3D workspace

The 3D workspace of the Weidmüller Configurator gives you a real-time preview of your configuration and is the area where you can edit your assembly. You can view your configuration from all directions to get a detailed preview.



Project overview

At the top of the workspace, you can find the project overview. It shows the different root articles of your project for example if you have several terminal rails or enclosures. You can switch between these tabs.



You can add new root articles to your project with the plus sign.

The right mouse button opens a menu where you can find some regular options on this. As a special function you can save a configuration in one tab as a sub-assembly. This can be useful if you want to reuse this configuration in other projects.

Context menu

You can open the context menu with the right mouse button. This menu offers you many different options to work with your configuration. The context menu is also available in the project tree.

The options in the context menu may differ depending on the selected article or position.

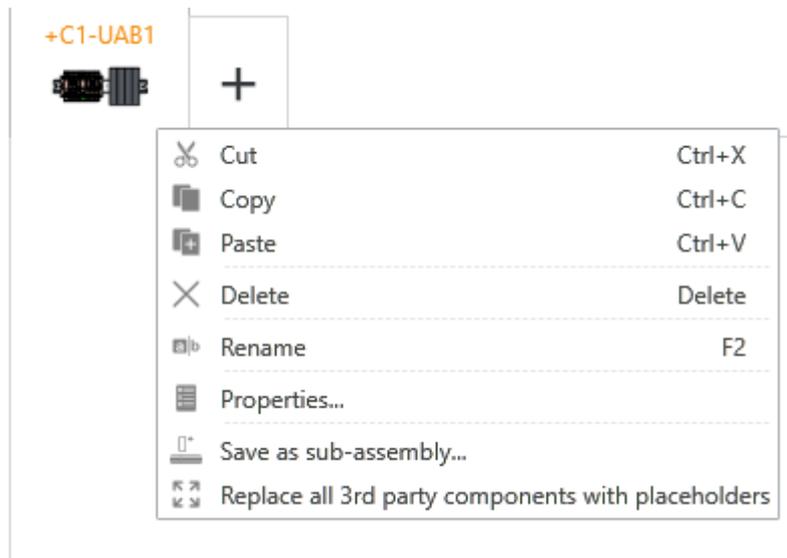
	Cut	Ctrl+X
	Copy	Ctrl+C
	Paste	Ctrl+V
<hr/>		
	Delete	Delete
<hr/>		
	Change Orientation	
<hr/>		
	Add placeholder...	
	Add 3rd party component...	
	Add accessory...	
	Place sub-assembly...	
	Replace with similar product...	
	Replace all selected components with placeholders	
<hr/>		
	Edit voltage current distribution with fuse...	
<hr/>		
	Jump to project tree	
	Jump to online product catalogue...	
	Open datasheet...	
<hr/>		
	Properties...	

There are standard functions like cut, copy, paste and delete and special functions which will be explained in detail in the following part.

Change Orientation	Changes the orientation of the article by rotating it 180°. If multiple articles are selected it will rotate each of it and not change the order.
Add placeholder	A placeholder is an option to reserve a free slot on your mounting rail.
Add 3rd party component	If you want to plan a 3 rd party component, you can select this option and add in the article data which will be saved in the data of this 3 rd party component placeholder.
Add accessory	You can use this function to <i>Add accessory</i> to your configuration. In case that you want to place an accessory on a special position in your project please find the article in the product finder and place it manually.
Replace with similar product	The functions analyses your selected product and gives you alternative articles based on the biggest coincidence of the article data. This function works also in multiselection.

Replace all selected components with placeholders	With this function, products or 3 rd party components on the mounting rail can be replaced by a placeholder. This function works also in multiselection.
Place sub-assembly	To place a sub-assembly, use the function in the context menu of the 3D work space.
Edit mounting rail punching	You can edit the punching of the mounting rail in your configuration. For this function the configurator gives you a special editing dialog where the settings for the mounting rail can be changed
Jump to project tree	Jump to the selected article in the project tree view.
Delivery without mounting rail	This function replaces your Rail with a virtual rail.
Jump to online product catalogue	Jump to the article information in our online product catalogue. An online connection is needed.
Open datasheet	Download a PDF datasheet of the selected article. An online connection is needed.
Properties	The <i>Properties</i> option of each article is used to set the general properties and the reference designation. In the properties of mounting rails, you can set mounting rail adaptations, comments and you can see the modification history.

Context menu tab



Cut	With the “Cut” function, the tab removed and placed in the clipboard.
Copy	With the “Copy” function, the tab saved in the clipboard.

Paste	The copied/ cutted content will be pasted into a new tab.
Delete	With the “Delete” function, the entire tab is deleted without being saved.
Rename	With this function, the name of the tab can be changed.
Properties	With “Properties”, all properties of the (tab) can be viewed and changed.
Save as sub-assembly	With this function, the current status of a tab can be saved in an extra folder. Afterwards the sub-assembly can be placed .
Replace all 3rd party components with placeholders	With this function, all 3rd party components on the tab can be replaced with placeholders.

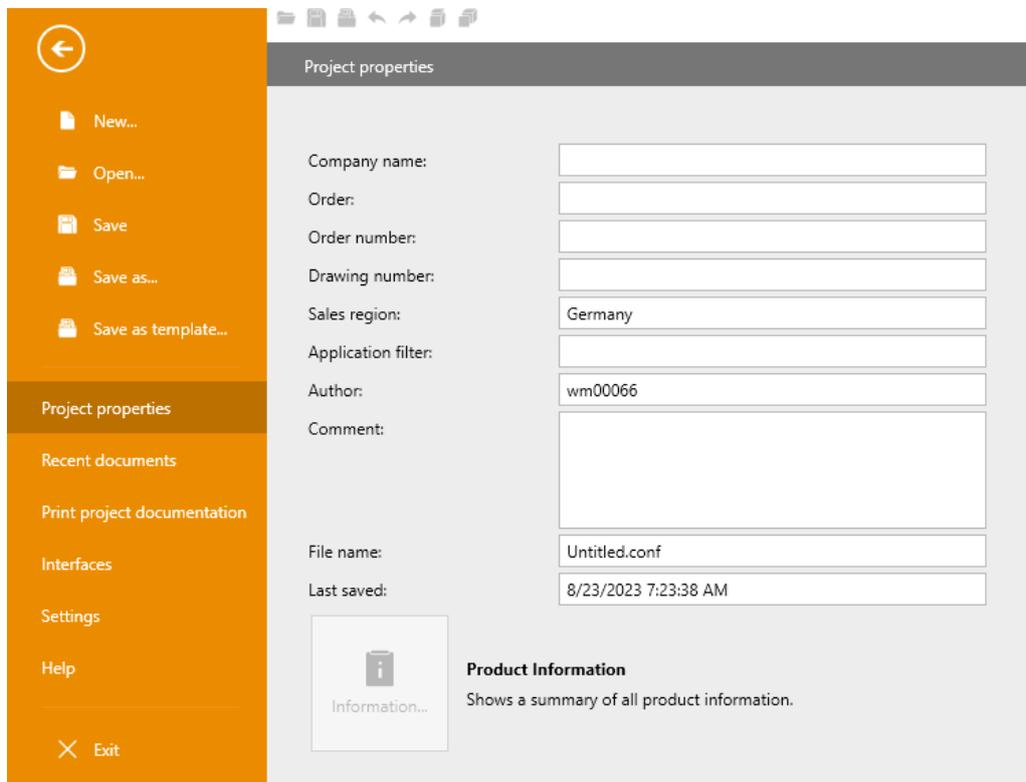
Output message box

The *Output* message box shows all information regarding the import and export or verify results of your project. In case of any compatibility problems after a product data update the information can be found here, too.



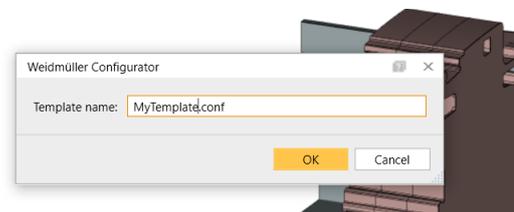
File menu

In the *File menu* you can find general program functions to create new, save or open existing projects and to exit the Weidmüller Configurator.



Save as template

To save your rail constellation as a new template, open the „file“ menu at the top left. In the file menu you will find the option „Save as template... “. Enter the name that you would like for your new user template and click on „OK“.



Now you can find your newly created template on the home screen of the Weidmüller Configurator. Just click on it to open as a new file and start creating!

Project properties

The *Project properties* contains all general project data such as company name, order number, the author or file name. Also, the selected sales region of the project is shown.

With *Product information* you can open an overview of all additional product information of the articles designed in your project.

Recent documents

You can see your recently used projects and file locations with this option.

Print project documentation

With *Print project documentation*, you can create different exports of your project for your follow up processes.

Assembly view

The *Assembly view* gives you many possibilities to create documentations of your project to assist the assembly. You can customize the information you want to see in the export by choosing your preferred settings.

On the right side you get a preview of your documentations with the current settings. If you are done with the settings, you can either print your documentation or export it as a PDF file.

Article list

The *Article list* is an overview of all articles which are planned in the current project. It contains the general project information and information on all articles grouped by root articles.

You can either print your article list or export it to excel or as a PDF file.

Complete documentation

The *Complete documentation* creates a ZIP archive with both, the assembly view and the article list. Additionally, it downloads PDF datasheets of all products used in your project and adds them to this archive.

Interfaces

M-Print PRO

M-Print PRO is the software provided from Weidmüller for labelling markers with our printers. For the export you have several settings you can choose. One important option is the export format. To use the best integration between WMC and M-Print PRO please use the WMEX format. With the sorting you can set the order of the single labels either horizontally or vertically to your preferred option.

In the export options you can choose the way how the software should behave after your export.



Step

STEP is a standard 3D format. With this export you can create a 3D export either from your complete project or only from your current view.



For this feature a previous download of all detailed step models is needed. This will automatically start once with your first export.

DXF

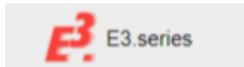
The DXF export gives you the possibility to export a front view of your whole project or only your current view to a 2D Export. You can choose between different DXF versions.

For this feature a previous download of all detailed step models is needed. This will automatically start once with your first export.



E3.series

The Zuken E3.series interface gives you the possibility to use the Weidmüller Configurator as a fully integrated addon to your ECAD planning. The details about the integration and how to use this interface are explained in the part “ECAD interfaces in detail” of this document.



EPLAN

The EPLAN interface gives you the possibility to use the Weidmüller Configurator as a fully integrated addon to your ECAD planning. The details about the integration and how to use this interface are explained in the part “ECAD interfaces in detail” of this document.



IGE XAO

The IGE XAO interface gives you the possibility to use the Weidmüller Configurator for an import of terminal strips created from a SEE Electrical Expert project. The details about the integration and how to use this interface are explained in the part “ECAD interfaces in detail” of this document.



SDProget

The SDProget interface gives you the possibility to use the Weidmüller Configurator for a fully roundtrip from SPAC. The details about the integration and how to use this interface are explained in the part [“ECAD interfaces in detail”](#) of this document.



CAEDEX

The CAEDEX interface gives you the possibility to import/export configurations with the proprietary Weidmüller structure



Industrial Automation

The Industrial Automation export creates a proprietary XML file which includes geometrical and logical information about your assemblies, called .iax file. With the help of this export format, it is possible to automatically assemble your product with the help of machines.



EPLAN (OLD)

The EPlan (OLD) interface gives you the opportunity to use the WMC for old EPlan versions. The interface will be deactivated in beginning of 2024.



CSV

The CSV interface gives you the possibility to import csv files regardless of which system it was created.



Settings

The settings section gives all possible options to adjust the WMC to the personal use like user interface language, measurement unit or the sales region.

If there are any problems regarding the user interface of the WMC it is possible to reset this here.

Some of these settings require a restart of the software. If a restart is needed, you will get an information regarding this.

Help

In this section you can see the current version of the Weidmüller Configurator and check for updates. Further you can create a diagnostic file if you have any technical problems with the software. Please send this file with a detailed description of your approach to our support at wmc@weidmueller.com .

Application Assistants in detail

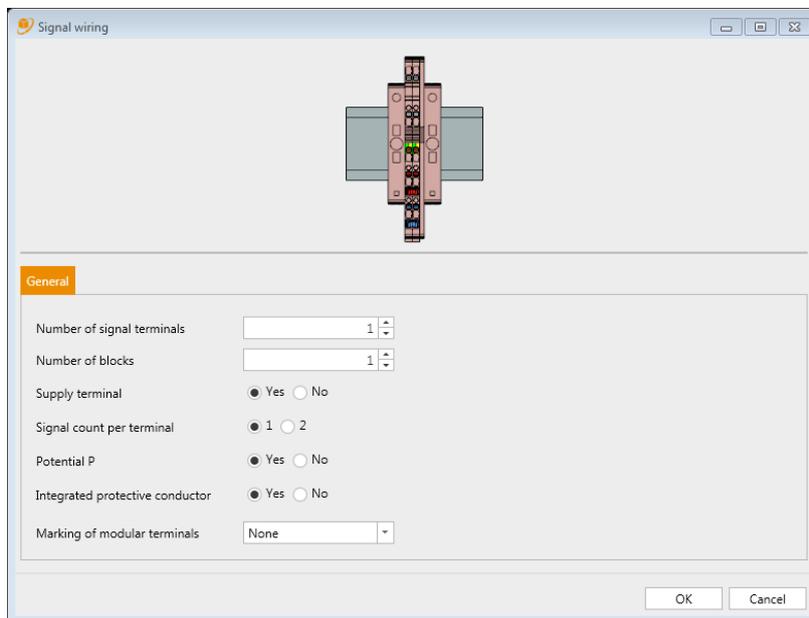
Introduction

Our Application assistants help you to create solutions for special applications quick and easy by selecting different settings. The assistants will automatically build up a solution regarding on these settings.

Each Application assistant is designed to create the best fitting solution in the easiest way to you only by setting specific technical characteristics of your application.

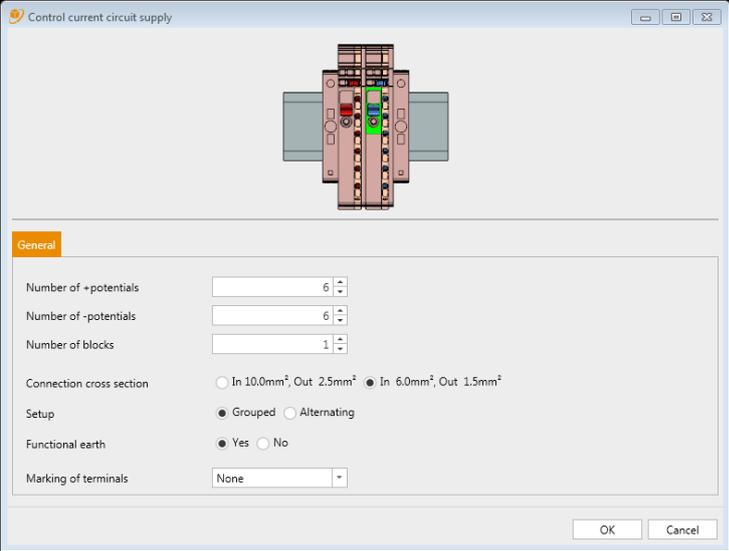
Signal wiring

The Signal wiring assistant is used to help you compile an assembly for signal wiring. In the main window you can set the number of signal terminals and blocks. Further, you can define if you need a supply terminal and how many signal counts per terminal you want. There is also the option of selecting whether signal wiring assembly has an integrated protective conductor and a potential P. This assistant also allows you to automatically mark the assembly with markers.



Control voltage distribution

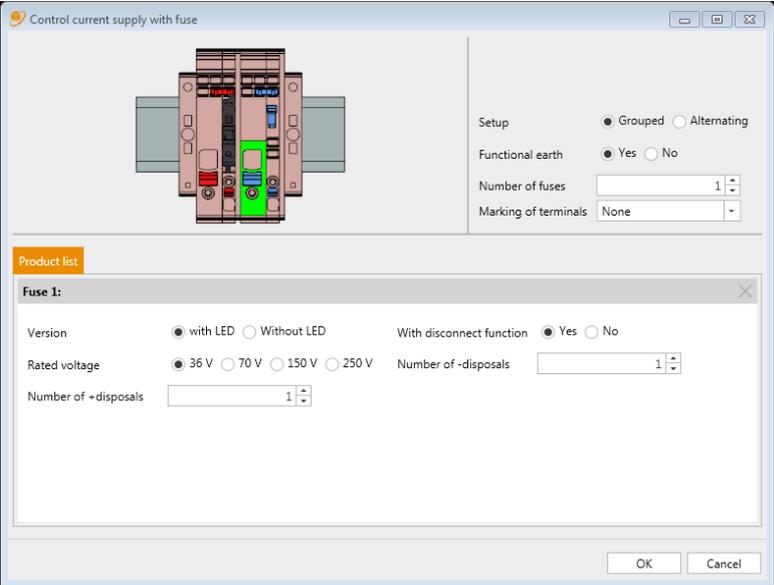
The Control current circuit supply assistant can be used to provide you a quick solution for your application. In this assistant you can define the number of +/- potentials and the amount, of blocks. You can also choose between different cross-sections, a grouped or alternating setup with or without functional earth. Furthermore, you can automatically mark the assembly with markers.



Control voltage distribution with fuse

In the Assistant for Control current supply with fuse you can configure the general setup of your assembly Grouped or Alternating. You can decide if you need a Functional Earth and set the number of fuses. You can automatically mark the terminals with predefined marking patterns.

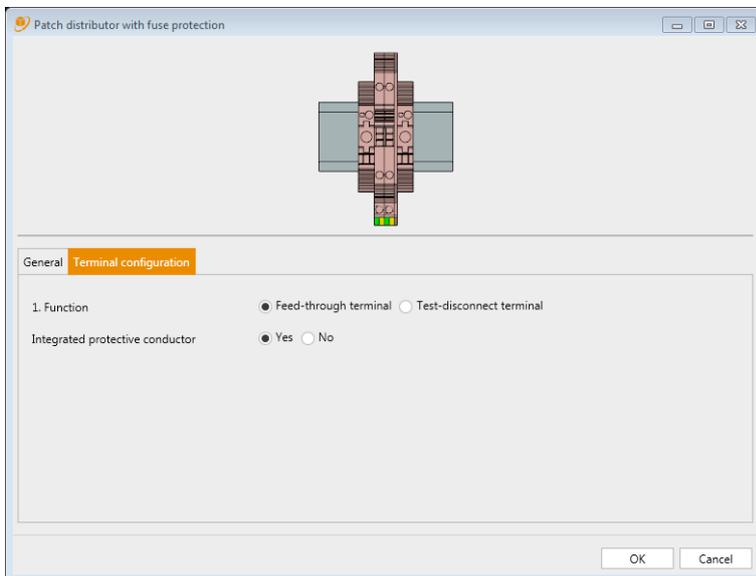
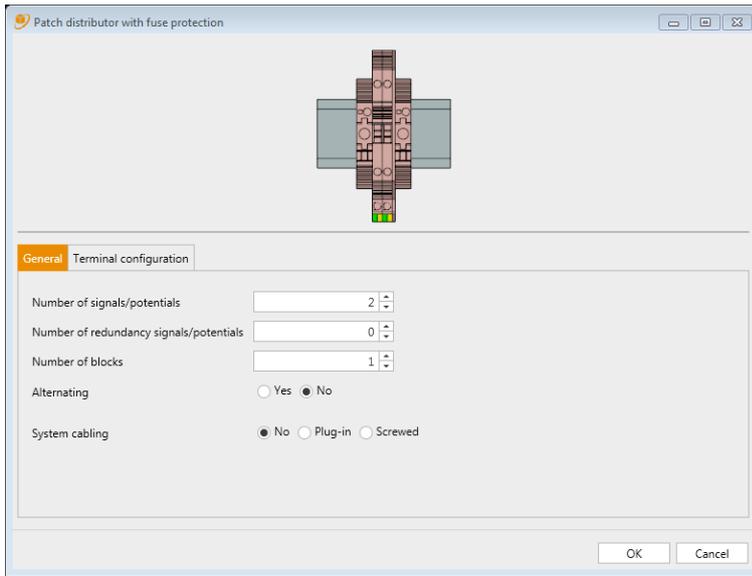
In the Product list all fuses are listed with its specifications. Here you can change the settings for each fuse. You can choose between different version with or without LED, different rated voltages and if you want to use a fuse with a disconnect function. Furthermore, you can choose how many +/- disposals you need for the fuse.



Patch distributor with fuse

The main window Gives you the possibility to set the number of signals/potentials, redundancy signals/potentials and blocks. You can also choose if you want an alternating array and if the assembly is compiled with system cabling or not.

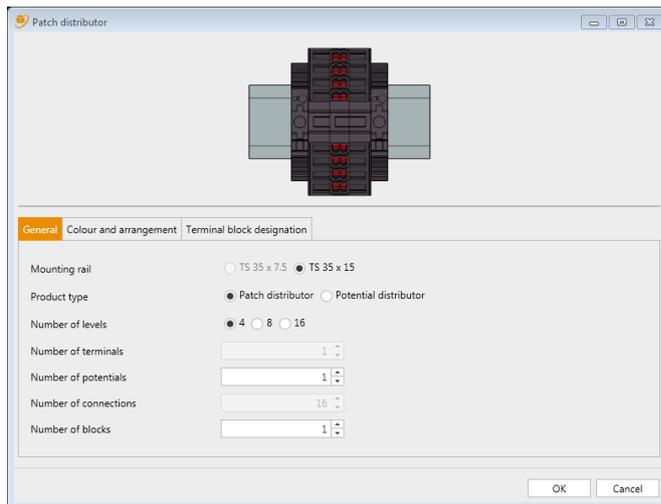
In the tab terminal configuration, you can specify the first function between feed-through terminal and test-disconnect terminal and if the assembly is compiled with an integrated protective conductor or not.



Patch Distributor

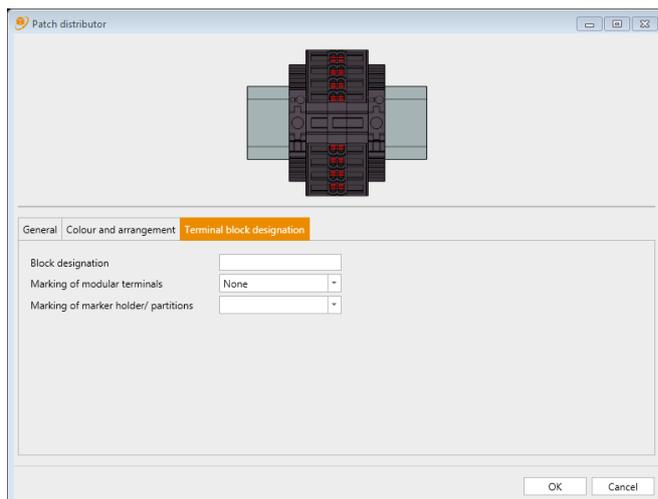
In the main window of this assistant, you set the mounting rail on which the assembly should be compiled and which product type it should be.

Please note that you can only choose the type of the mounting rail if you start the assistant directly from the WMC start menu.



You can also set the number of levels, terminals, potential, connections and blocks. In the second tab you can define arrangement and colours of your terminals and their operational elements. With these options it is possible to create a clearly structured assembly which fits your needs.

In the third window, Terminal block designation, you can set the block designation and the marking of modular terminals and marking of marker holder/ partitions.



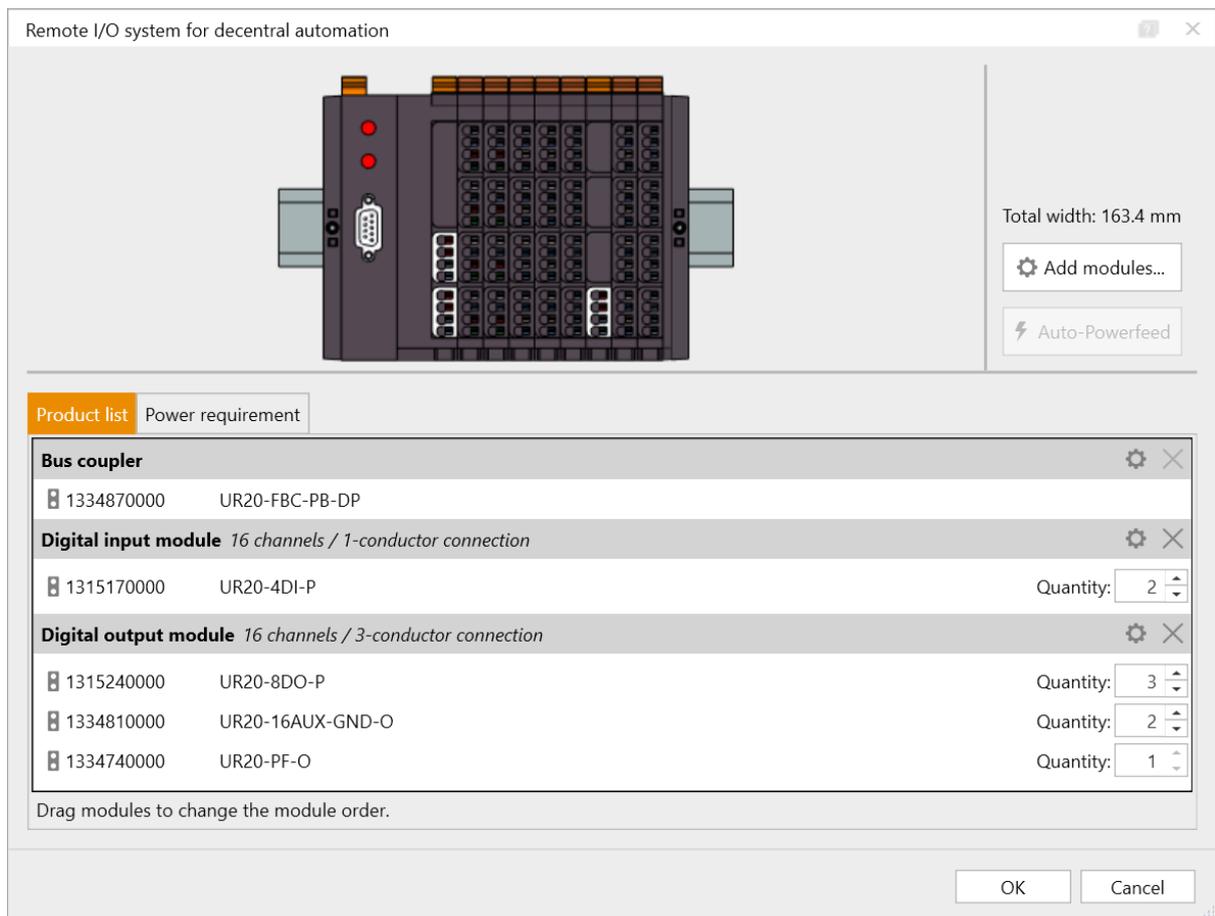
Remote I/O system

The assistant guides you through the creation of your remote I/O systems. You start by choosing of a coupler or controller and add different modules to your application. You have several module types to choose articles from.

In the Product list you get an overview of all articles added to your project and you can change the position of the different module blocks.

With the Power requirement overview you can adjust the values of the modules in your application. The Auto-Powerfeed automatically adds power-feed modules to provide enough power.

To finish your configuration and take over all articles to your WMC project click OK.



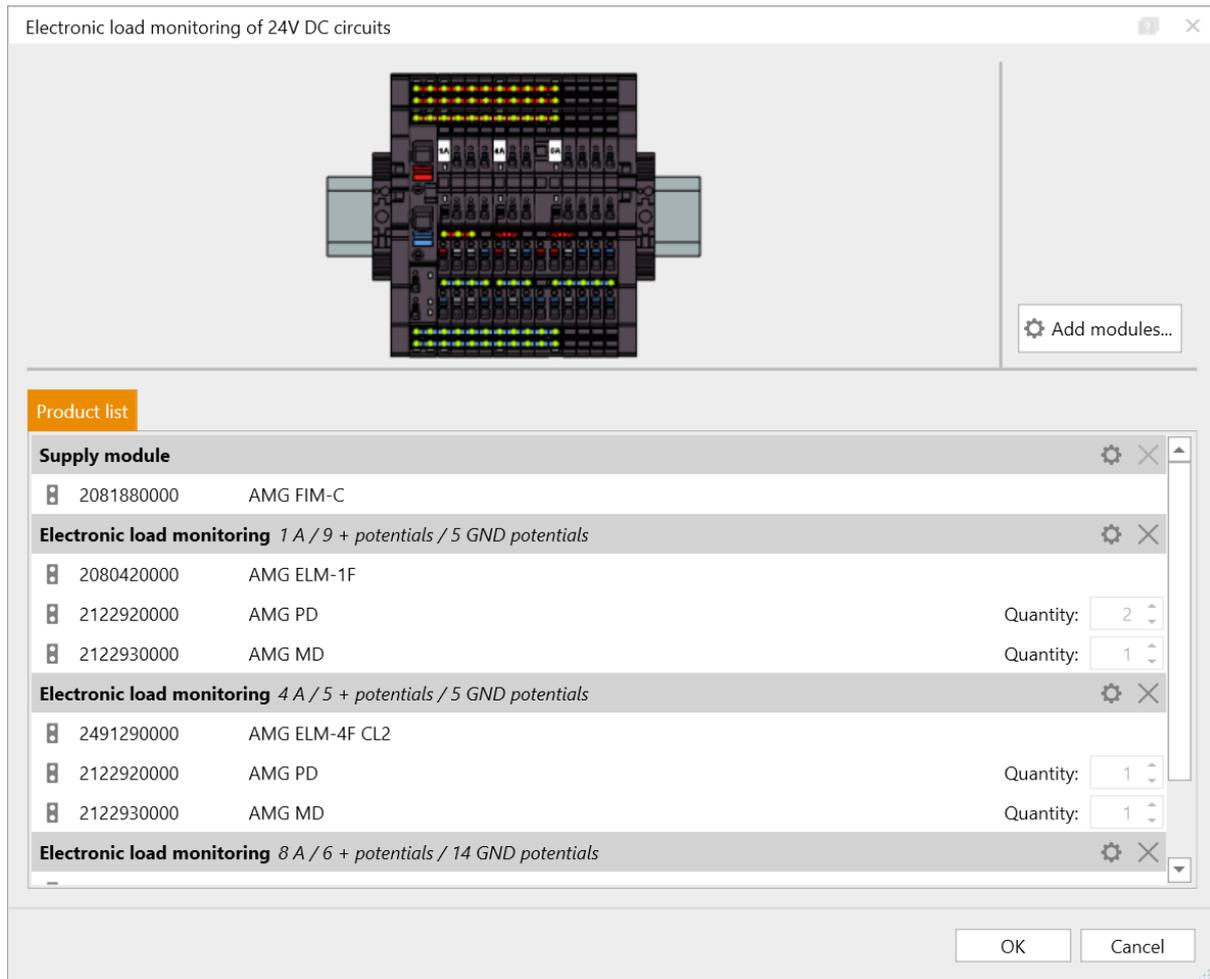
The assistant guides you through the creation of your remote I/O systems. You start by choosing of a coupler or controller and add different modules to your application. You have several module types to choose articles from.

In the Product list you get an overview of all articles added to your project and you can change the position of the different module blocks.

With the Power requirement overview you can adjust the values of the modules in your application. The Auto-Powerfeed automatically adds power-feed modules to provide enough power.

To finish your configuration and take over all articles to your WMC project click OK.

Electronic load monitoring



Create your Electronic load monitoring application with the help of this assistant. Choose a Supply module at first and continue by adding different modules to your assembly. The assistant automatically sets the quantity depending on your connections, it also adds all cross connectors needed for the application.

You can change the order of load monitoring blocks via drag and drop and edit or delete them.

To complete your configuration, click OK and the result of the assistant will be added to your project.

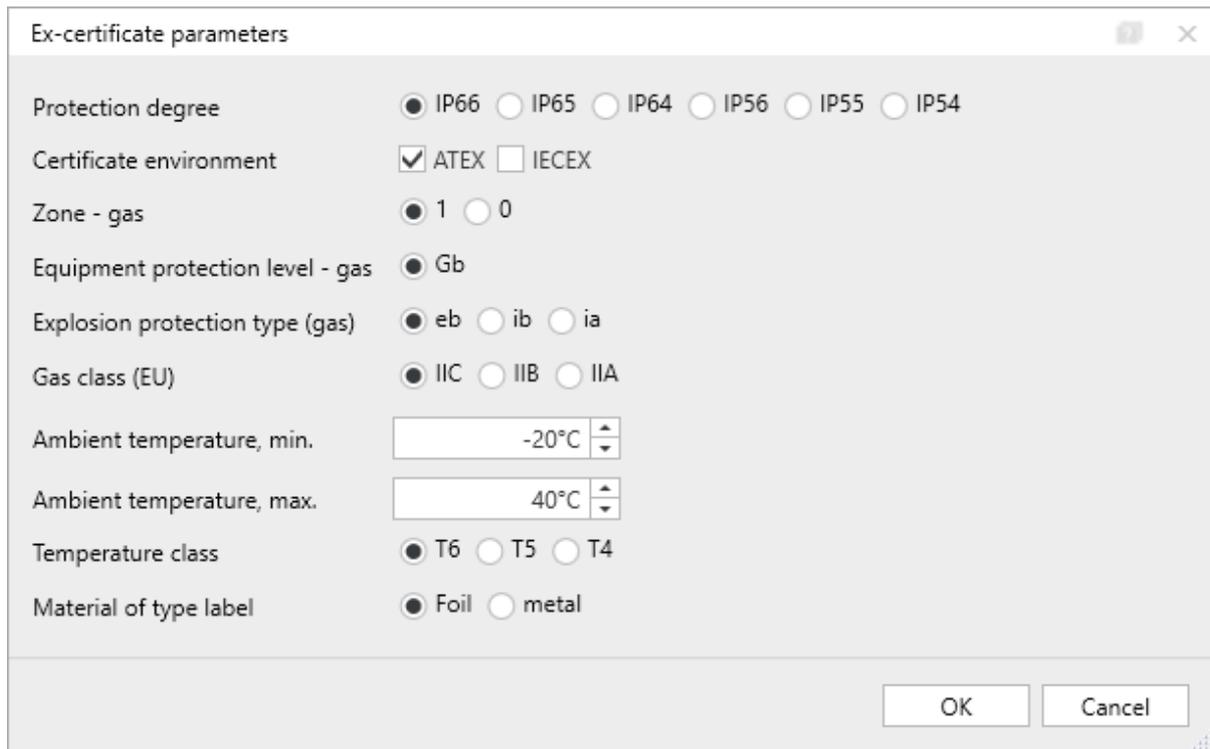
Enclosure

Ex-certified Enclosures

The assistant for ex-certified enclosures supports you to find solutions for your specific ex environment.

The assistant can only be started from the start menu of the WMC.

At first you have to set your ex environment parameters which define a valid portfolio for your application. Fill in your parameters and confirm it with OK.



Ex-certificate parameters

Protection degree IP66 IP65 IP64 IP56 IP55 IP54

Certificate environment ATEX IECEX

Zone - gas 1 0

Equipment protection level - gas Gb

Explosion protection type (gas) eb ib ia

Gas class (EU) IIC IIB IIA

Ambient temperature, min.

Ambient temperature, max.

Temperature class T6 T5 T4

Material of type label Foil metal

OK Cancel

After your confirmation you can start either by selecting a mounting rail and configure your terminal rail or an enclosure.

In case you choose to start with a mounting rail you must use the enclosure assistant if you are ready with your terminal rail configuration.

The complete portfolio of the WMC will now be restricted to your selected parameters so that the software only gives you articles which are valid for your ex environment.

The ex-certified mode of the WMC will be indicated by an ex icon on the right side of your 3D working area. By clicking on this icon you can see your chosen parameters at any time.

Please note that you cannot change these parameters after a confirmation. If you need other parameters you have to restart the assistant on the start page.

If you are ready with your configuration you can request an individual offer for your ex certified enclosure.

Industrial Enclosure

The Industrial Enclosure assistant is designed to create a complete solution of electrical components mounted in an enclosure that fits your needs.

You can use the assistant in two different ways. Starting with the customization of the enclosure and add the mounting rail afterwards or you already have a finished mounting rail in your project and you want to mount this in an enclosure.

Industrial Enclosure assistant interface

The Industrial Enclosure interface is separated in four sections. At the top side you can define global parameters for your assembly such as the protection degree.

In the mid area you have a 3D preview of the current set enclosure and the functionality buttons.

At the bottom side you can switch between the different sides and see the objects you added to them. Further you can add your terminal rails here and select the specific enclosure which fits your needs.

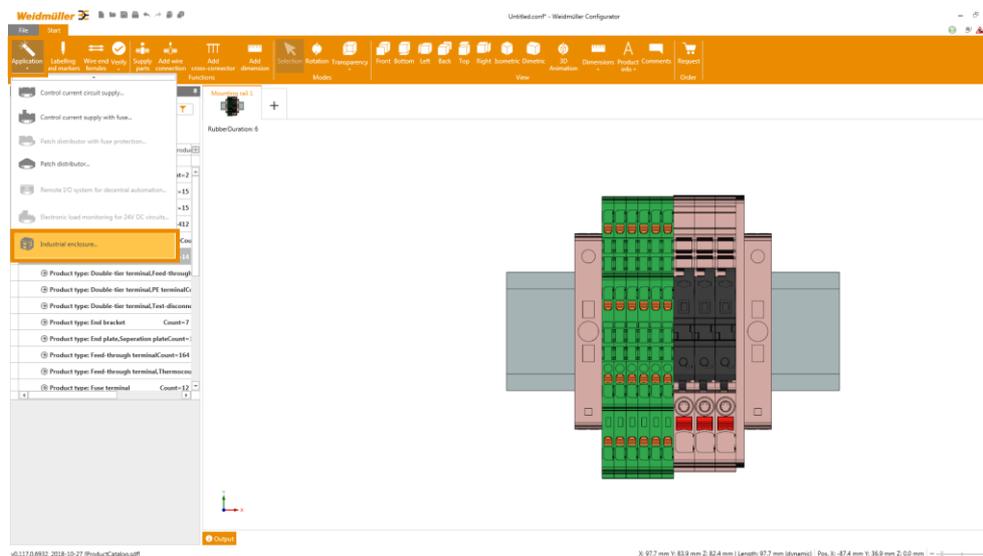
With the functionality buttons you can add accessory, drillings and threads to your active side.

Suggested workflow

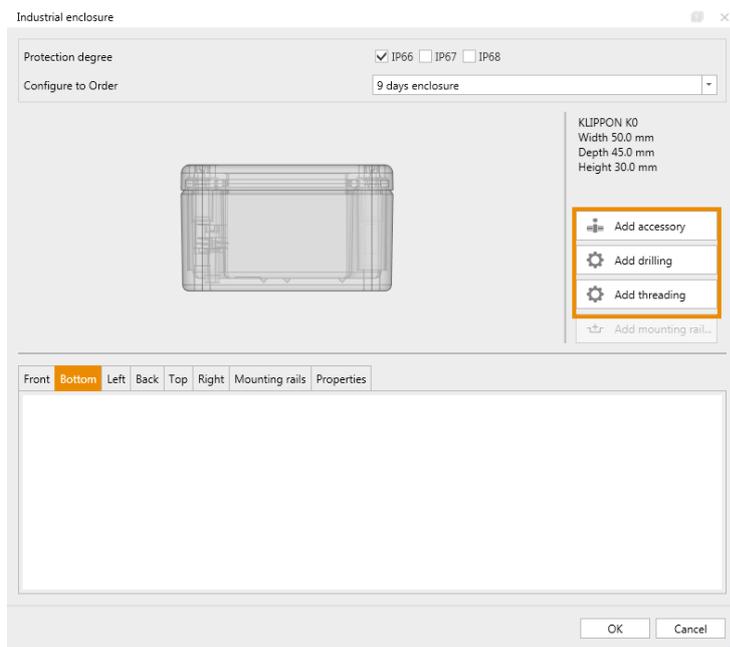
To avoid any problems regarding space we would recommend starting by building up your electrical components on one or several terminal rails.

Start with the configuration of your electrical components and to build up your terminal rail in the standard way of the WMC. If you are registered for the Fast Delivery Service and want to use this for your project you should start with one of the enclosure specific filter settings.

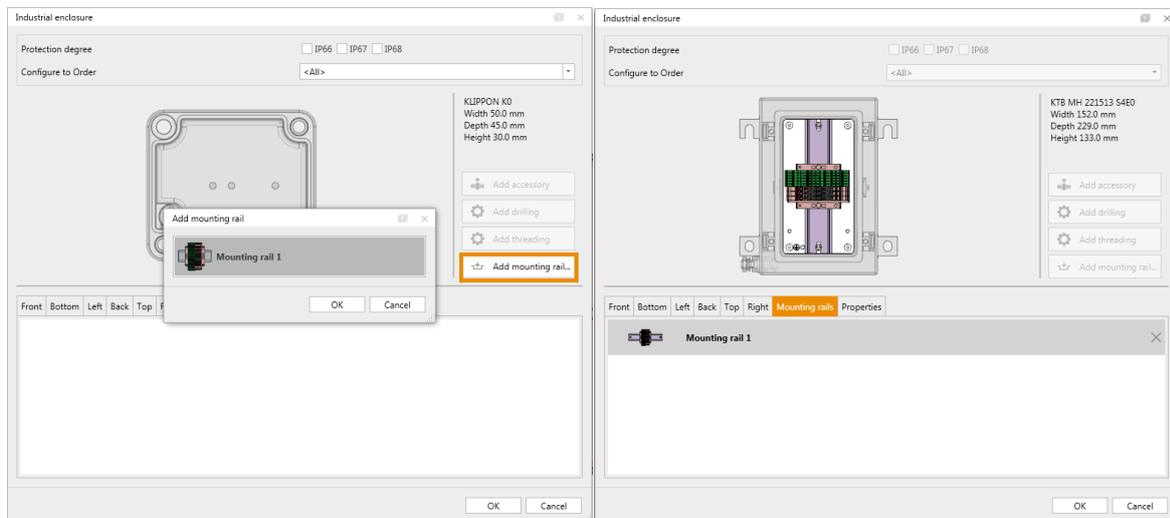
If you are done with your electrical configuration please start the Industrial Enclosure assistant.



In the Industrial Enclosure you set the global parameters and proceed with the definition of objects on the different sides. Add your accessory, drillings and threads.



Afterwards select your terminal rails you created before in the Mounting rails tab.



The last step is to specify your enclosure in detail. Go to Properties and wait for the configurator checking all possible enclosures for your application.

If you select an enclosure, it will be locked and you can see it in the preview. The assistant won't change the enclosure automatically anymore when it is locked by your selection.

If you are ready with the assembly, you can confirm everything with the OK button and your project will be completed and transformed.

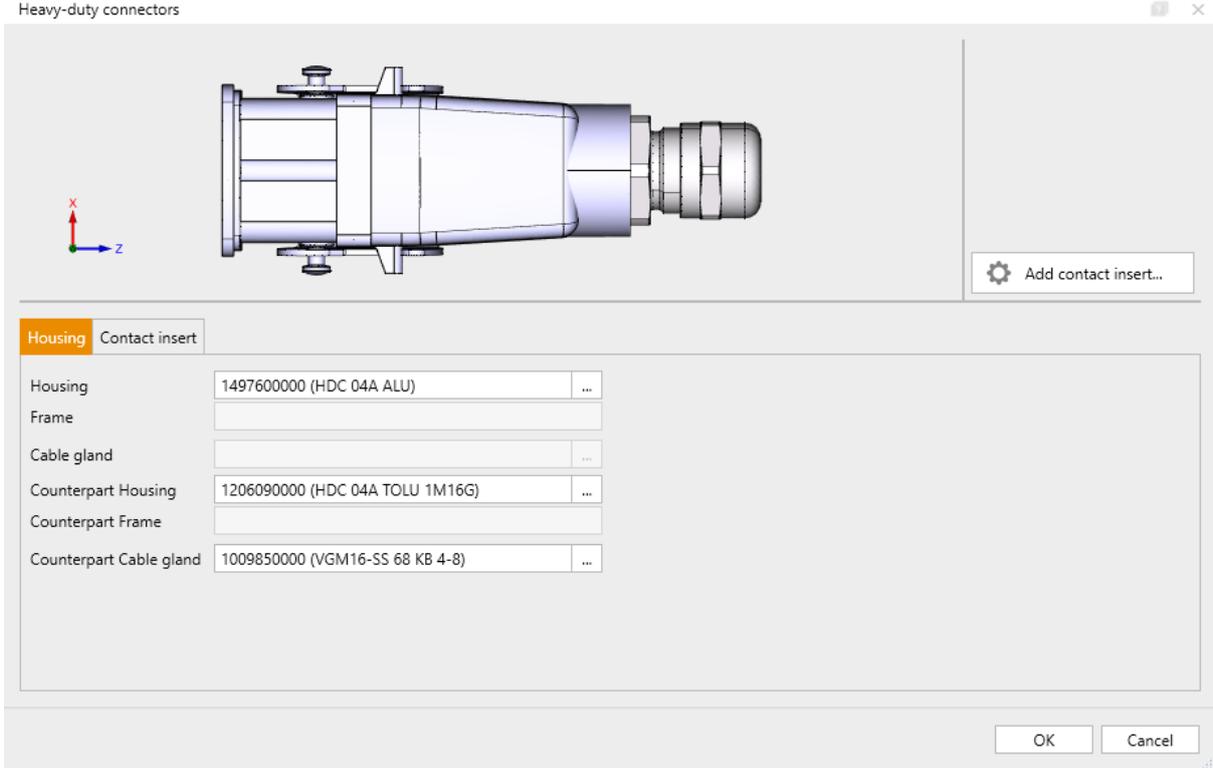
Heavy-duty connectors

The heavy-duty connector assistant gives you a guided configuration for our heavy-duty connectors.

You can either start by choosing a housing for your connector or by designing the inside.

If you start by choosing the housing, you will only be able to add in modules and inserts which are compatible with your selected enclosure.

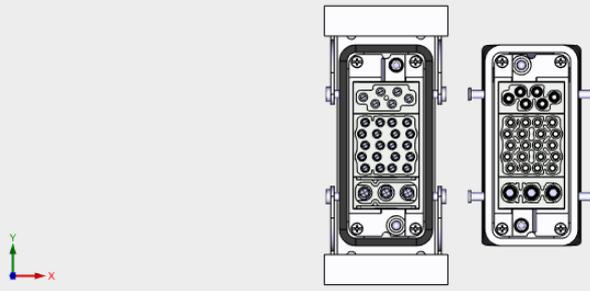
The housing will then be locked for your configuration. If you want to unlock your selection click on the little locked icon.



If you start by designing the inside of your connector the assistant will automatically propose an appropriate housing.

Your inside can be chosen from a modular system or fixed pole inserts with the desired contacts.

HDC configuration



housing **Contact insert**

module 1429360000 (HDC MHE 6 MC)

Insert	1429360000 (HDC MHE 6 MC)	...
contact	1116540000 (HDC-C-HE-SM4.65AU)	...
Counterpart module	1429370000 (HDC MHE 6 FC)	...
Counterpart contact	1116530000 (HDC-C-HE-BM4.65AU)	...

module 1428910000 (HDC MHE 20 MC)

Insert	1428910000 (HDC MHE 20 MC)	...
contact	1116540000 (HDC-C-HE-SM4.65AU)	...
Counterpart module	1428930000 (HDC MHE 20 FC)	...
Counterpart contact	1116530000 (HDC-C-HE-BM4.65AU)	...

module 1429340000 (HDC MHX 3 MC)

Insert	1429340000 (HDC MHX 3 MC)	...
contact	1002910000 (HDC C HX SM1.5AG)	...
Counterpart module	1429350000 (HDC MHX 3 FC)	...
Counterpart contact	1002950000 (HDC C HX BM1.5AG)	...

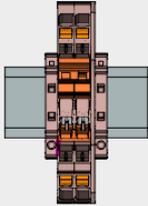
OK Cancel

If you are done with your configuration you can confirm everything with OK and your complete project will be built up.

Transformer terminal block

Instrument Transformer Terminal Block ✕

Type of connection Hybrid connection PUSH IN Screw connection



Current circuit ↑ ↓

PE

Number of terminals 2 3 4 5 6

Number of terminals with short circuit bridge 2

Suitable application With comparative measurement Without comparative measurement

Switch lock No Yes

Test socket No Yes

Number of sets

1. Lever connector

Voltage circuit ↑ ↓ ✕

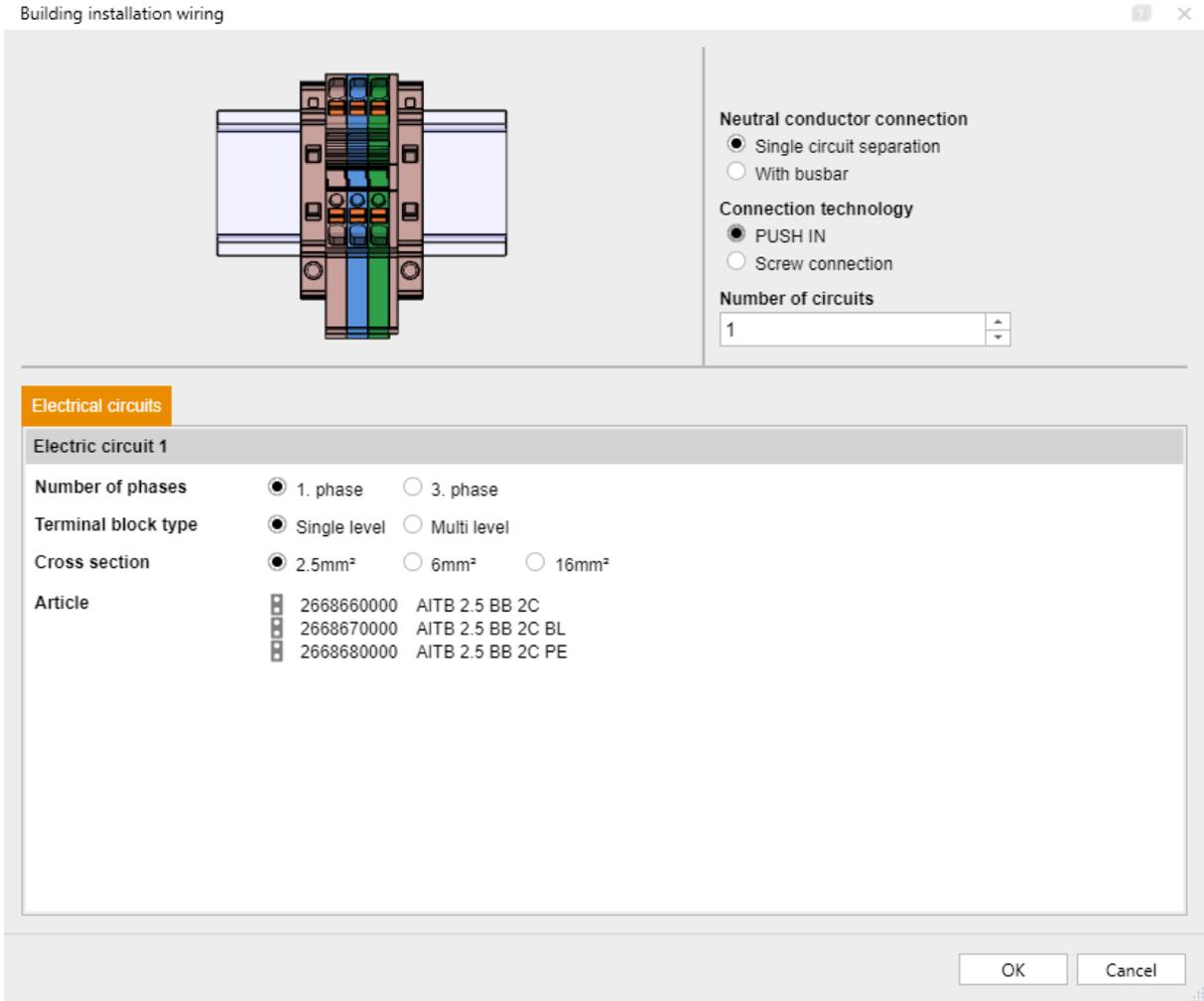
This module is not active. To activate click the checkbox above.

Create your transformer terminal block with the help of this assistant. Choose your type of connection and set all parameters depending on your requirements. The assistant will automatically create the terminal block with all necessary accessory.

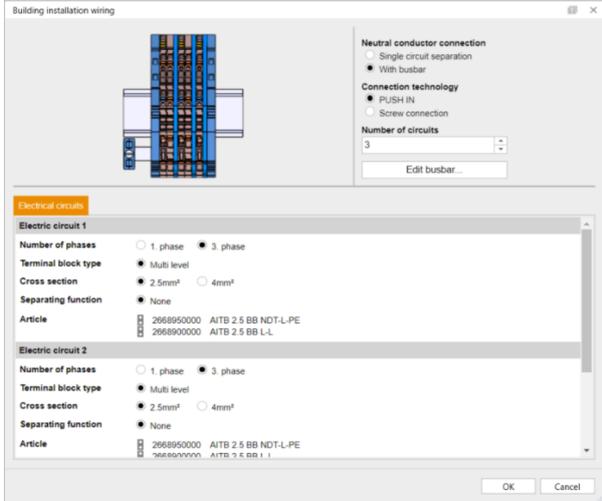
You can either add only current or voltage blocks or both in combination.

Transfer your assembly to your project by clicking OK.

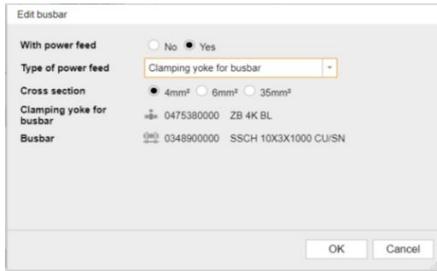
Building installation wiring



Create your building installation wiring with the help of this assistant. Choose the type of neutral conductor connection, the connection technology and amount of circuits to set all further required parameters. The assistant will automatically create the terminal block with all necessary accessory.



By choosing “with busbar” it’s possible to edit your busbar with a few more selections in a separate window.



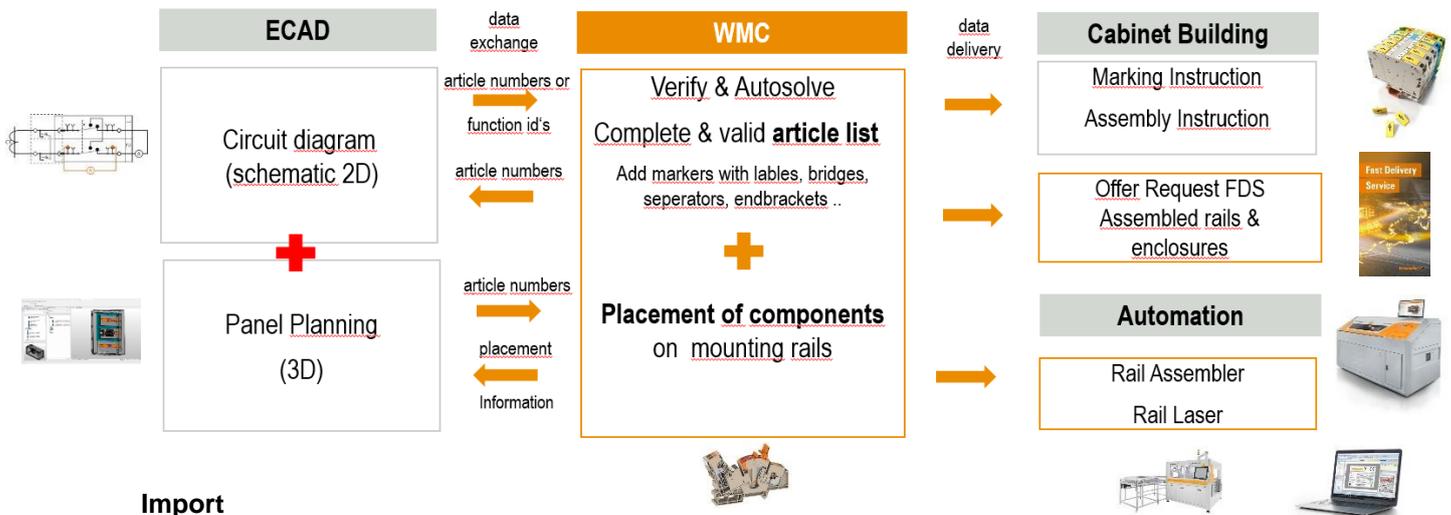
Transfer your assembly to your project by clicking OK.

Electrical planning systems (ECAD Interfaces)

General

In this section you will find the detailed descriptions for the exchange between your electrical planning environment like EPLAN, Zuken E³ or others with the Weidmüller Configurator and back.

The ECAD integration Plug-ins are developed with the target to accelerate your engineering process during the planning with EPLAN P8 or Zuken E3. This is achieved by exchanging project data of all used terminals with its assigned accessories between the systems. The following figure displays the functional data exchange process with its “Import” and “Export” channels.



Import

- Importing terminal strips from ECAD to the configurator.
- The integrated import-assistant is managing the mapping for terminal strips¹ from ECAD to physical rails.
- Transfer the terminal marking designation from ECAD to the WMC on an appropriate suggested marker article.
- Generic planning² allows you to start engineering in an ECAD tool with just the logical function (symbol) and afterwards the configurator suggests an appropriate article for this functionID.

Export

- Supplementation of accessories by using the auto solve function and exporting back to ECAD
- Adding several terminals in the configurator including its required accessories, afterwards supplementing the device manager in ECAD with these articles

For user doing the panel planning within the ECAD import and export supports the transfer of placement information.

¹ If E3.panel is used, all placed devices on the rail are supported.

² Not supported in the E3.series interface.

Offer Request

After the import from ECAD you have the opportunity to add accessories, new components or furthermore placing an existing configuration into an appropriate enclosure by using the new enclosure assistant. At this point of your configuration you can use our service and send your request directly from the Weidmüller Configurator.

ECAD Panel (3D) description

Introduction

The Plugin contains a 2D Schematics and 3D Panel Importing and Exporting function. This capture will describe how the 3D Panel interface (EPLAN, E3) works and which limitations are applied to the interface.

As a general statement, the interface just considers rails and its rail mounted components (direct children of the rail). Accessories like markers, plugs and bridges won't be placed on the 3D mounting layout and are just appended to the main parts as a list.

Limitation of the interface

In the picture above a detailed view of the interface shows, how the systems collaborate.

The ECAD system is every time the master, whereas the WMC ECAD interface has the limitation of the following changes by the WMC:

- Any technical attributes of the mounting rail like width, height and length cannot be changed.
- Already existing rail mounted components (initial children of the rail) like terminals and power supplies, which were placed in the ECAD system, are not removable. Furthermore, the terminal name in the "BMK" of the part cannot be changed.
- The position or alignment (rotation) of initial child's can be changed and it is possible to add new terminals to the rail.
- In general, the electrical function cannot be changed by the WMC.

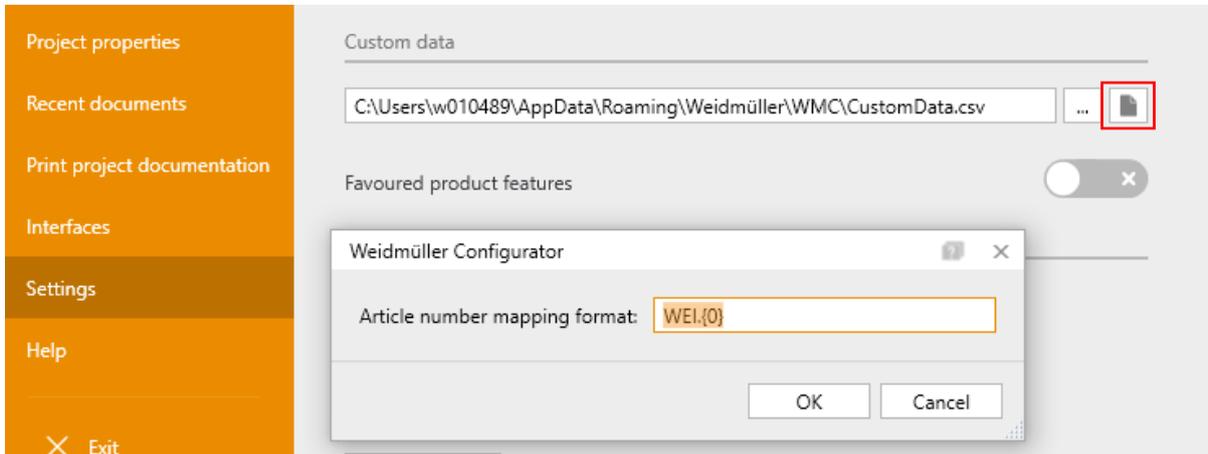
Set article reference

The WMC needs a clear mapping to support the export/import function to ECAD back during a roundtrip.

The part number is a primary key to handle articles for the WMC. Every incoming article is mapped to this key. As an example, using SAP numbers like shown under Customer Article number, map those articles to the Weidmüller standard 10 figure order number. This mapping, like CustomData.csv as shown below, is used by the configurator to handle these different custom article numbers. You can find this file under the following directory: %appdata%\Weidmueller\WMC\CustomData.csv.

CustomData.csv example:

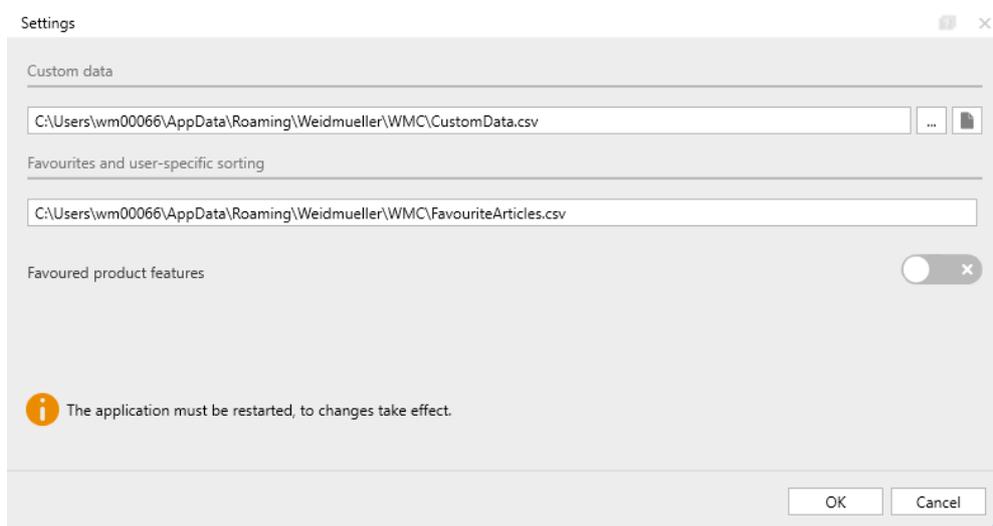
1	2	3	4	5
WMC	CustomDataList	1.0	EUR	
WM-Articlenumber	Customer-Art	FavoriteTag	Price	
1020000000	SAP.4711	A		
8630740000	SAP.4811	A		



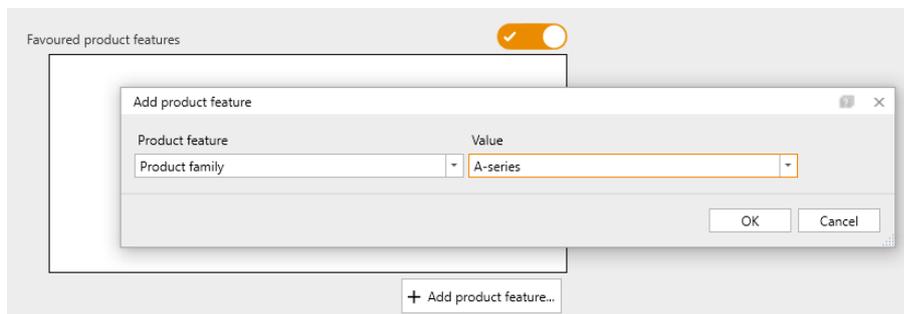
The WMC suggests articles

The configurator offers an opportunity to define which terminal series (i.e. A-Series) and connection technology (i.e. Push-In, screwed) shall preferred during the generic planning. By the way this option has also an effect on the suggested articles of the auto-solve verify function.

The function is reachable under File->Settings->Open Settings dialog:



Activate “Favoured product features” and add a preferred product family and connection technology via the button “+ Add product features”.



Import assistant

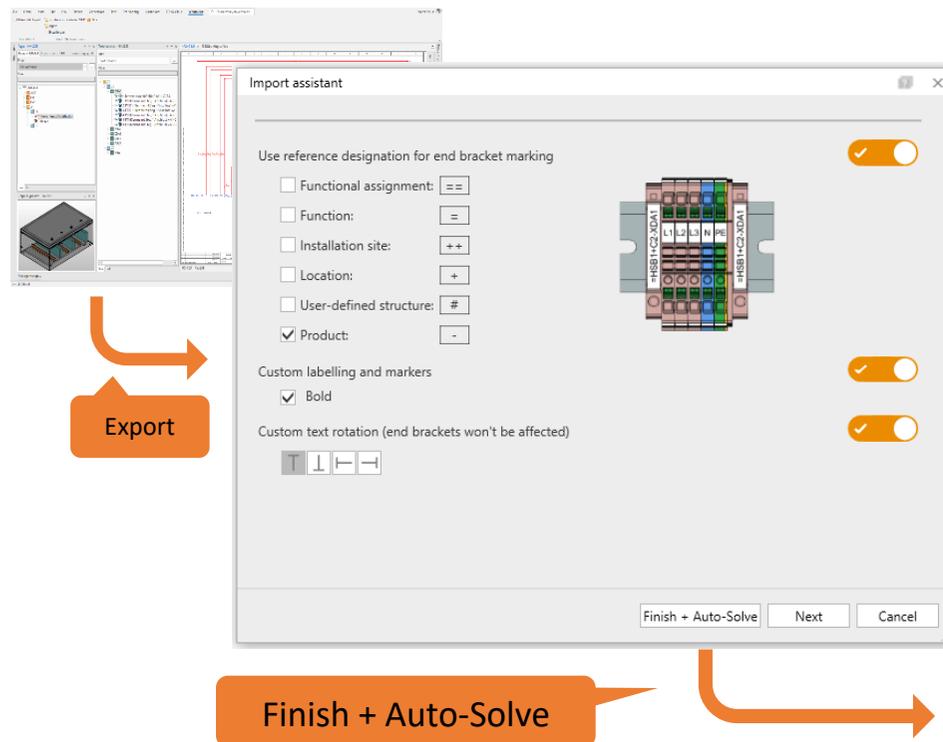
Import assistant (2D) on WMC side

The WMC is handling Imports from your ECAD-System via the Import assistant. This allows the user to define labeling settings, create a mapping from terminal strips to physical rails in the configurator or to a new added rail and select articles for generic planning.

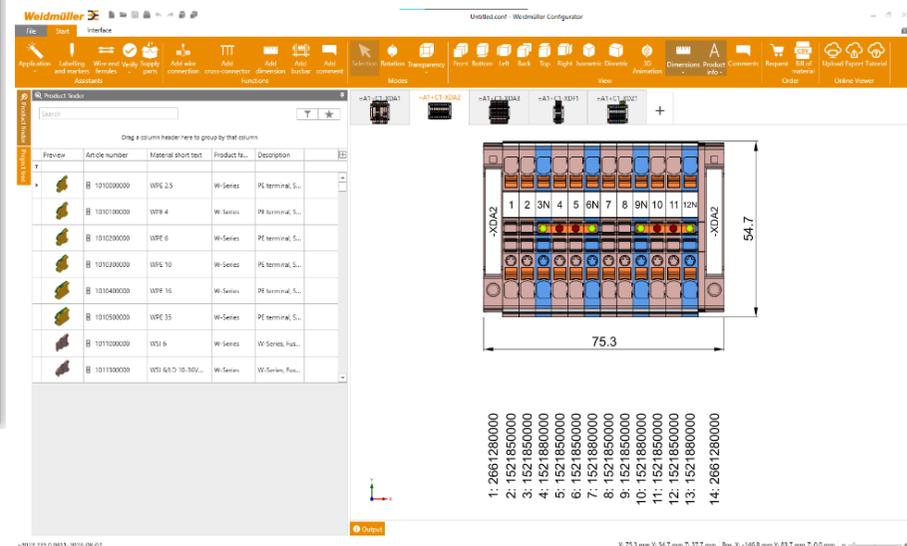
By activating the toggles, you are able to define the labeling settings like bold fonts and rotation of the texts.

Now you can choose the reference designation for your end bracket marking by selecting the check marks of each reference structure you want to label on the end bracket. Even if there are no end brackets in the imported project, the WMC saves the marking settings and after adding the end brackets and with using the function “*Automatically generate labels*” in the [label assistant](#), the end bracket markers and labelling will be added.

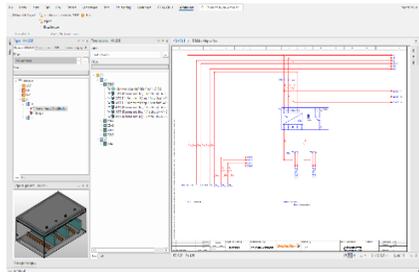
Way 1 – Fast way



- With just one click a valid and automated configuration of add end brackets and end plates will be done.



Way 2 – detailed way

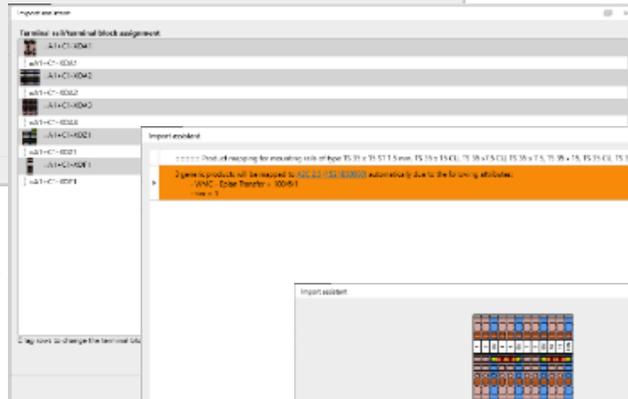


Export

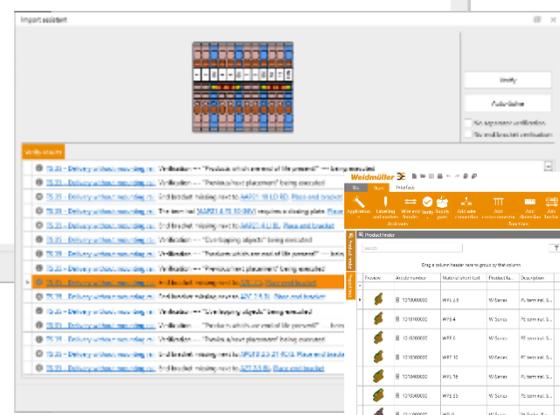
Next



- If necessary, you can choose, edit or rotate the reference designation on the end bracket.



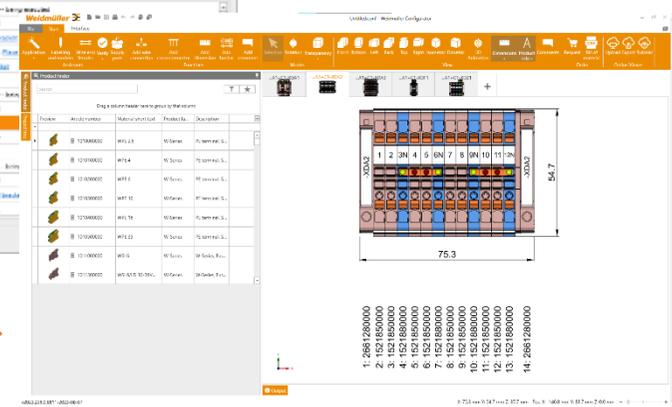
- Consider or change the terminal block order by drag the rows
- As well, you could add new mounting rails and move your components
- Choose articles if you have generic planned symbols in your project



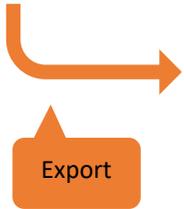
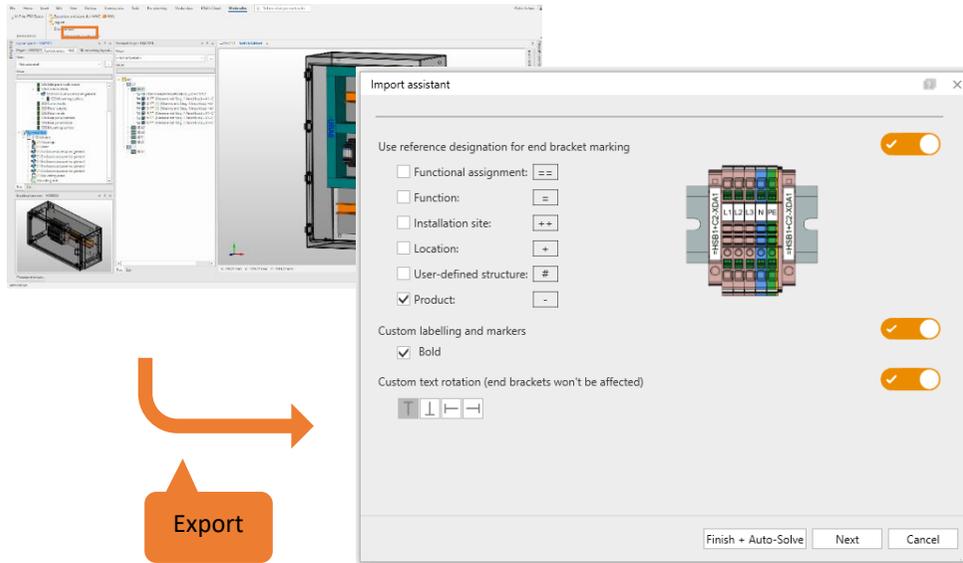
- It is possible to verify and to let automatically add mandatory components or you turn off the separator and manual verification

Finish + Auto-Solve

- The function “finish + auto-solve” is available in every window of the import assistant



Import assistant (3D) on WMC side

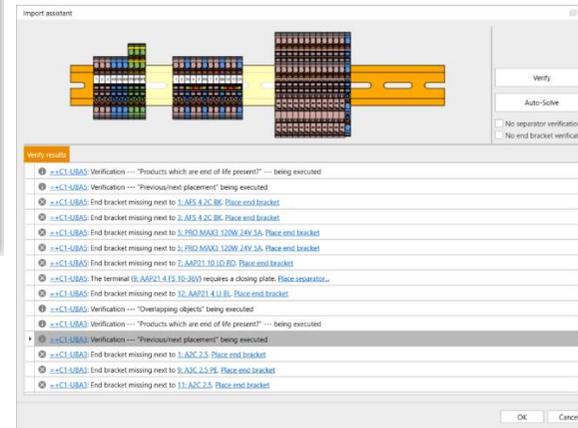


Export

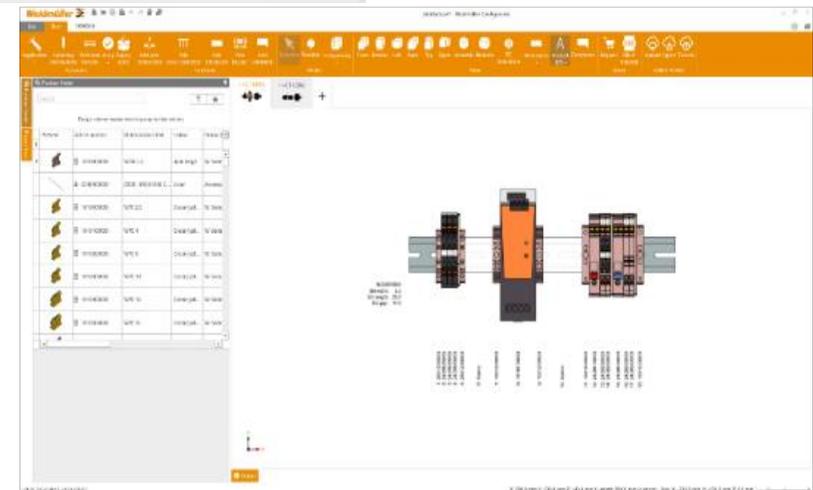
Finish + Auto-Solve

- With just one click a valid configuration will be done.

- If necessary, you can choose and edit the reference designation on the end bracket.

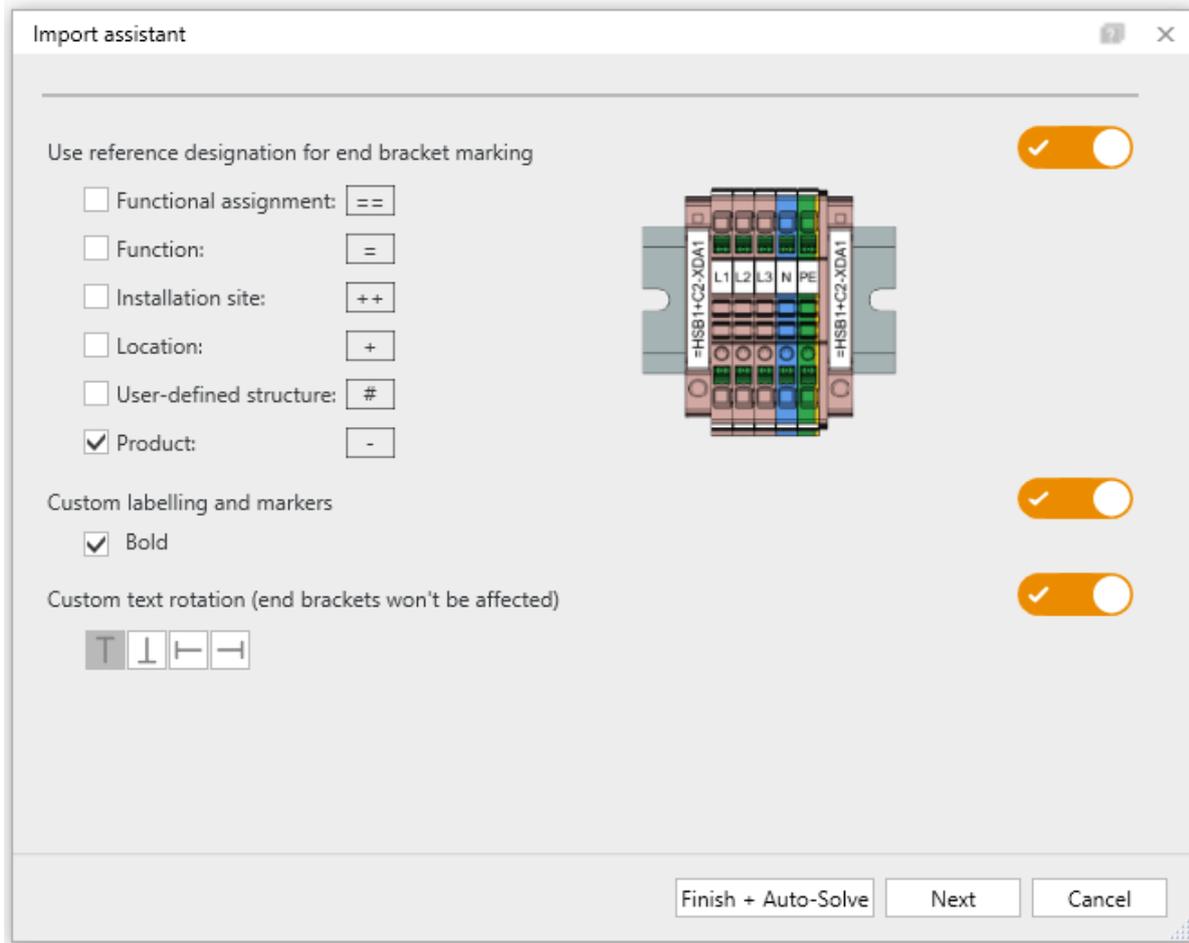


- It is possible to verify and to let automatically add mandatory components, add manually components, or you turn off the separator and manual verification.



Import assistant in detail

Labeling settings



By enabling the first toggle you can set the tag you want to mark on the end brackets.

With the enabling of the second toggle, you can set a bold font.

By enabling the third toggle you can set the rotation of the text on the article markers. Only by rotating the text with 90°, also the end bracket marking will be rotated.

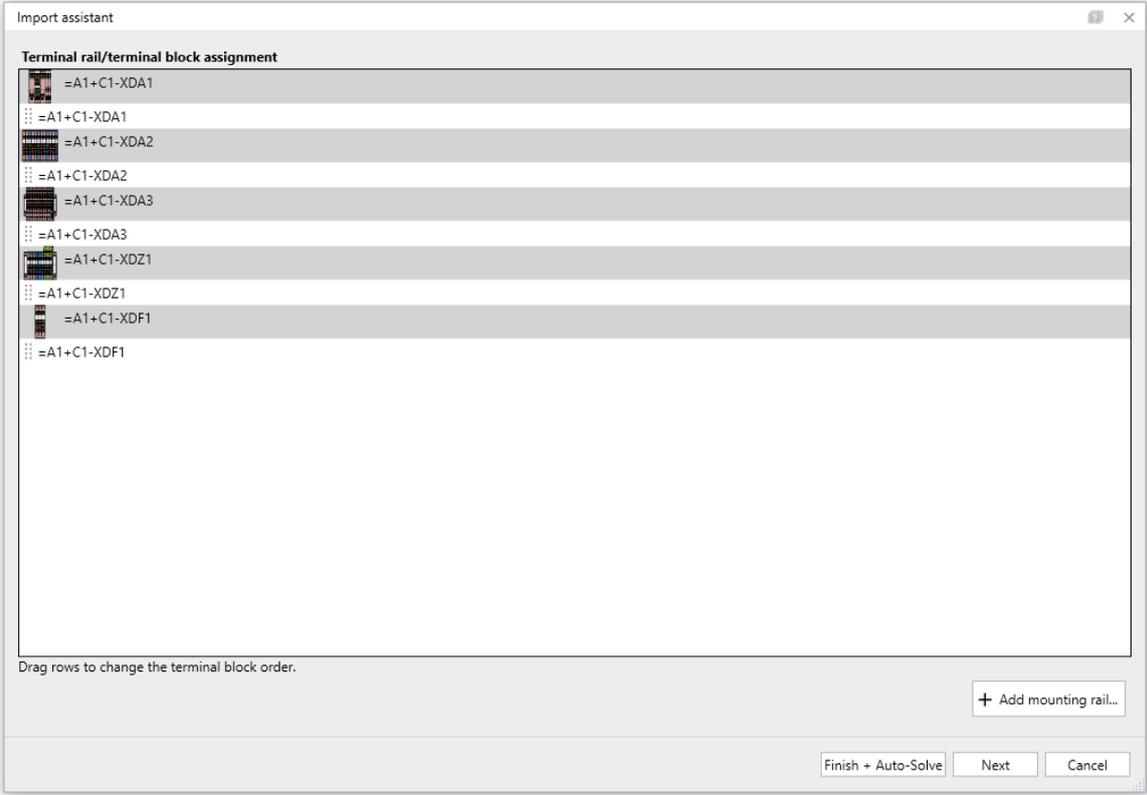
All settings will be saved persistently and can be used with the next import without any changes.

With the button "Finish + Auto-Solve" the WMC is using the verify assistant to proof the whole configuration and the Auto-Solve function to fix all existing problems. Afterwards the whole and valid configuration can be used in the working area of the WMC.

With the button "Next" you can define some more manual settings in the next window of the import assistant.

With the button "Cancel" or "X" you can abort the import process.

Terminal rail/ Terminal block assignment

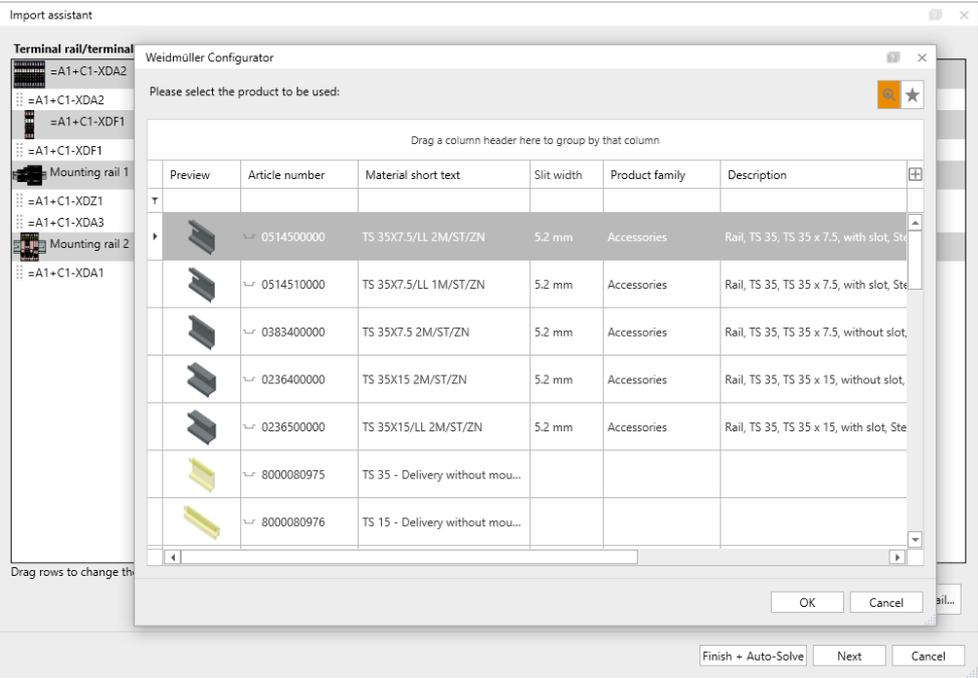


The assignment window is only visible during a 2D / terminal strip import ([Way 2 – detailed way](#)).

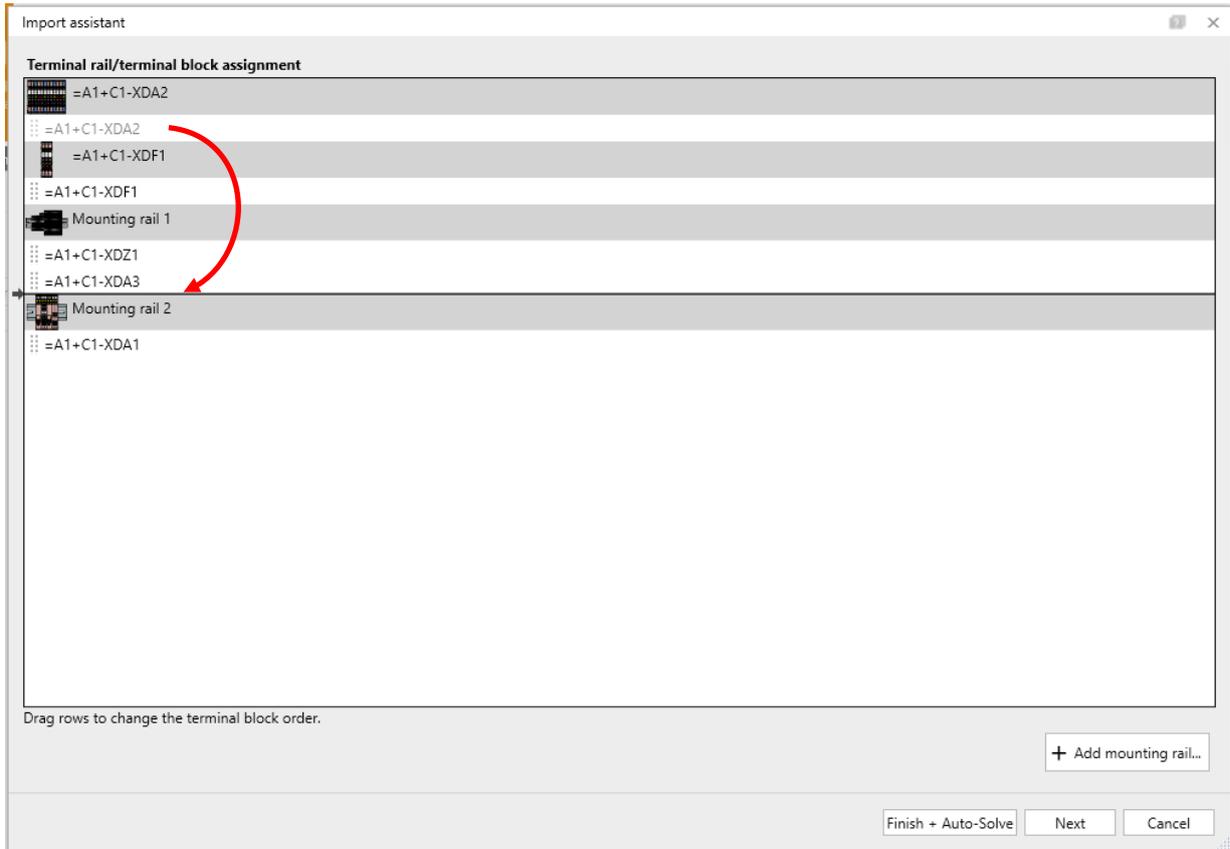
All the single terminal strips are shown without any physical mounting rails.

Optional:

This can be changed with the button “+ Add mounting rail...”. Here you can select all available Weidmüller mounting rails



Furthermore its possible to change the terminal strip assignment and the row by drag and drop the terminal strips.



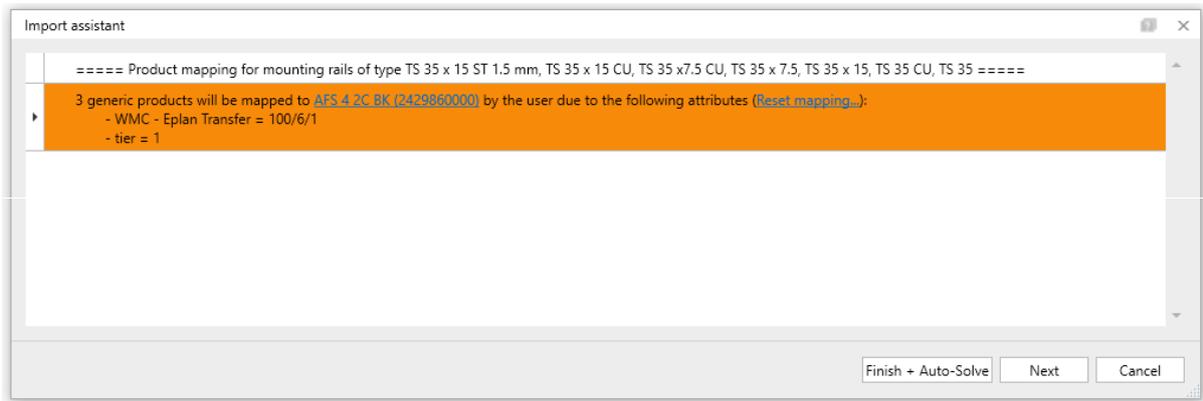
With the button “Finish + Auto-Solve” the WMC is using the verify assistant to proof the whole configuration and the Auto-Solve function to fix all existing problems. Afterwards the whole and valid configuration can be used in the working area of the WMC.

With the button “Next” you can define some more manual settings in the next window of the import assistant.

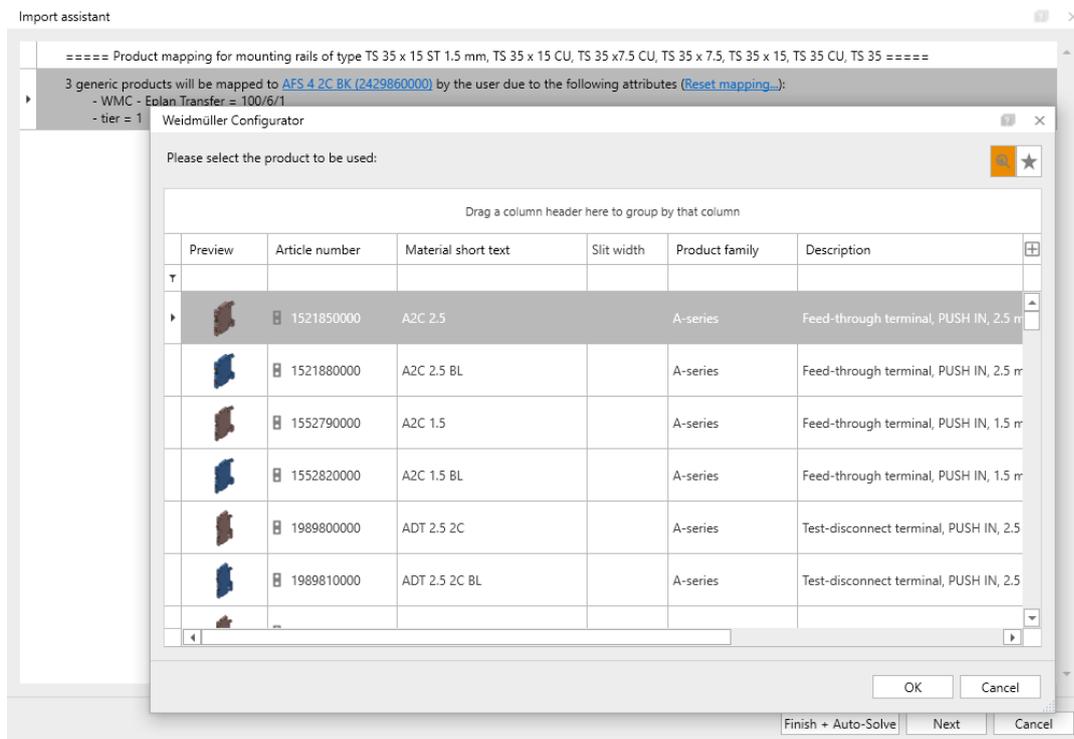
With the button “Cancel” or “X” you can abort the import process.

Mapping of generic products

By having terminals without article numbers in your project, the product mapping window is showing you a list of products that is grouped on the function definition ([Generic planning](#)).



Here you can choose the terminals, that are fitting to the used function definition.



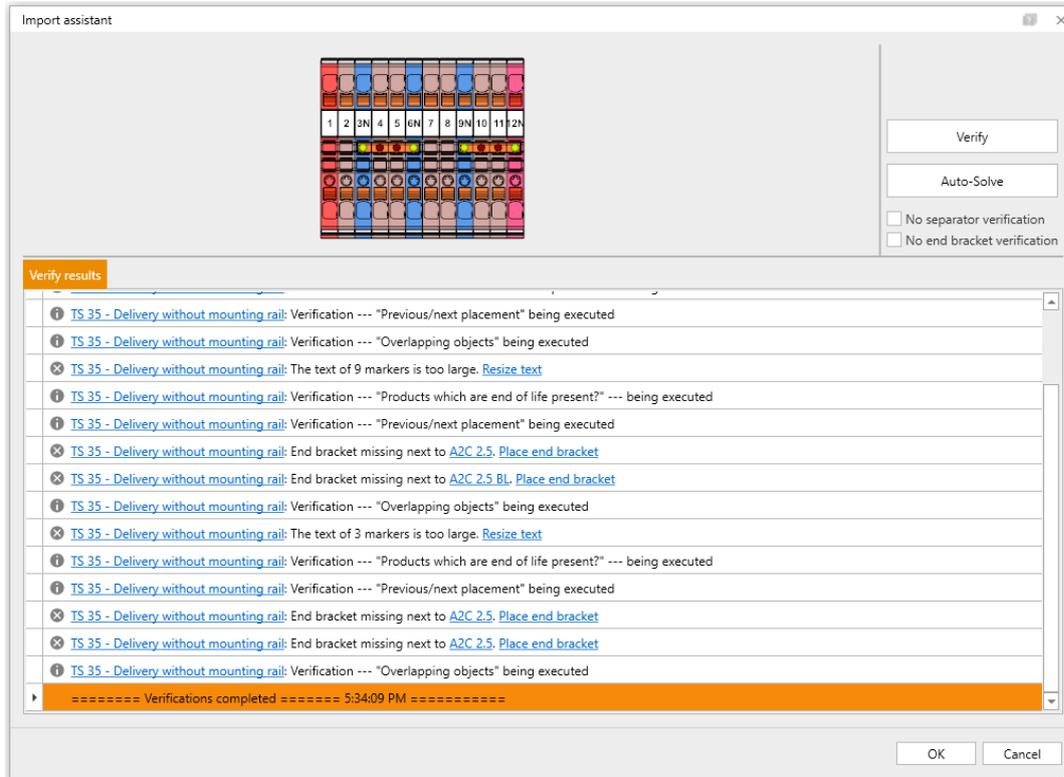
With the button “Finish + Auto-Solve” the WMC is using the verify assistant to proof the whole configuration and the Auto-Solve function to fix all existing problems. Afterwards the whole and valid configuration can be used in the working area of the WMC.

With the button “Next” you can define some more manual settings in the next window of the import assistant.

With the button “Cancel” or “X” you can abort the import process.

Verification of the configuration in the import assistant

In the last window of the import assistant you can verify the whole configuration.



The window gives you an overview of your project and a list of all verify results. Components with any problems are marked in the 3D preview.

To solve problems, you can either go through each entry in the list manually or use the *Auto-Solve* function for an automatic solution.

It is possible to exclude the separator and/or the end bracket verification in case that you need this for your assembly. This setting extends the use cases for our Fast Delivery Service.

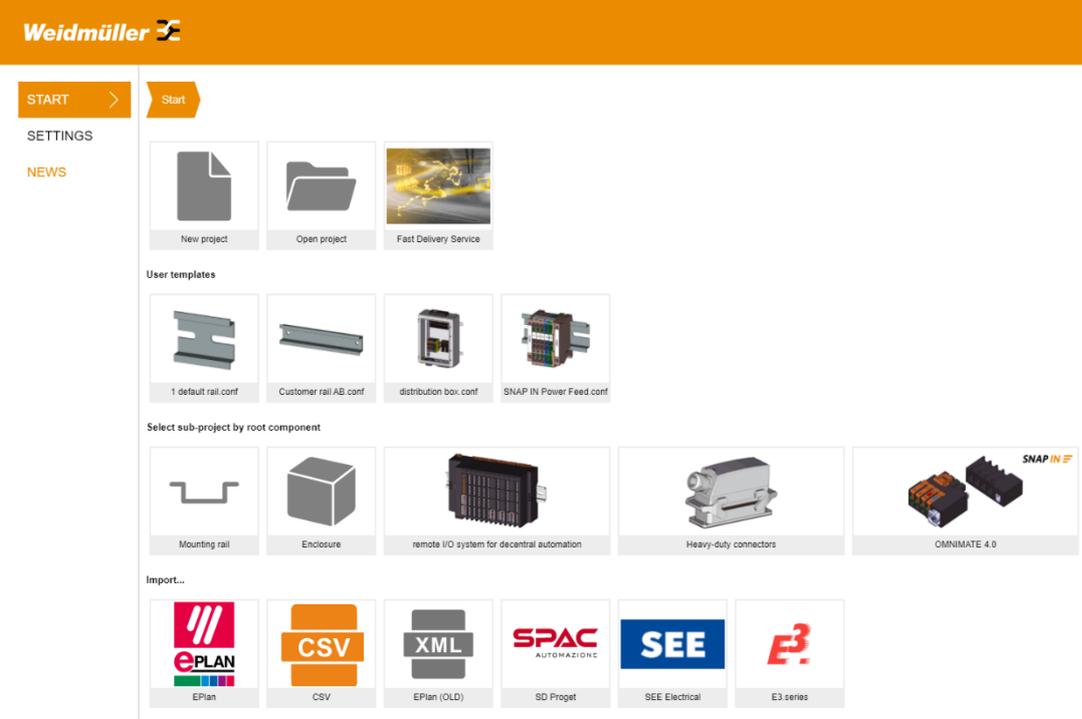
With the button “OK” you finish the import assistant and get into the working area of the WMC.

With the button “Cancel” or “X” you can abort the import process.

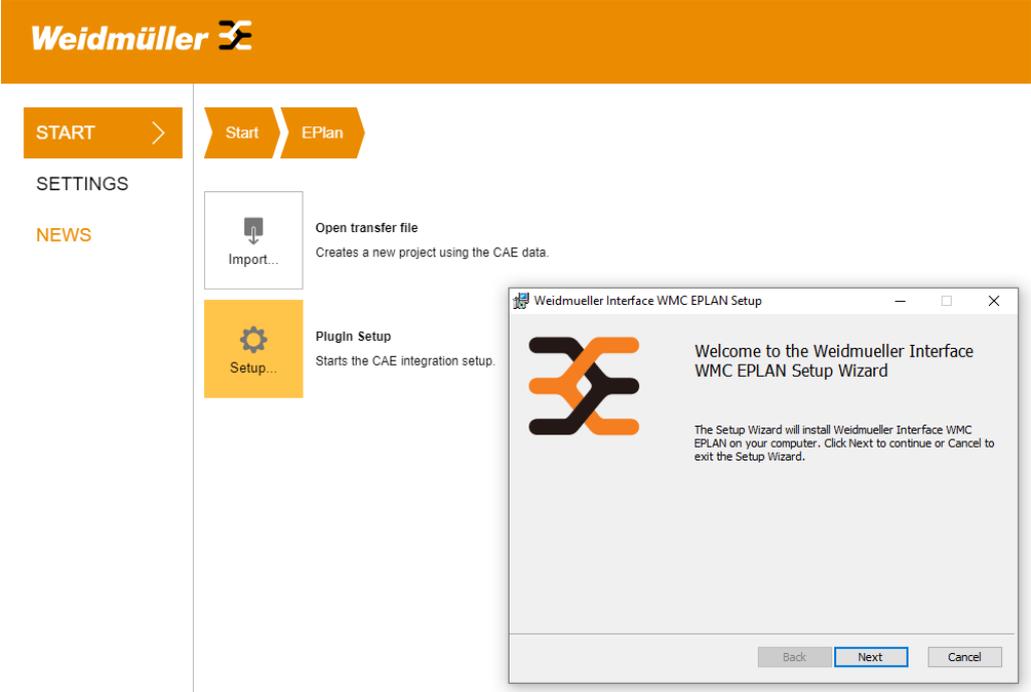
Using EPLAN

Installation

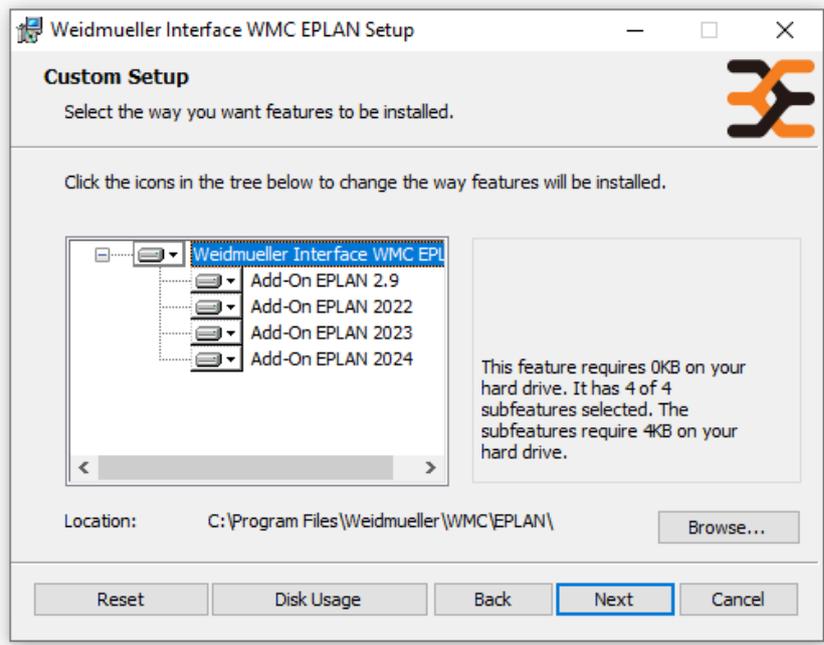
On the start page of the WMC you can find the EPLAN icon.



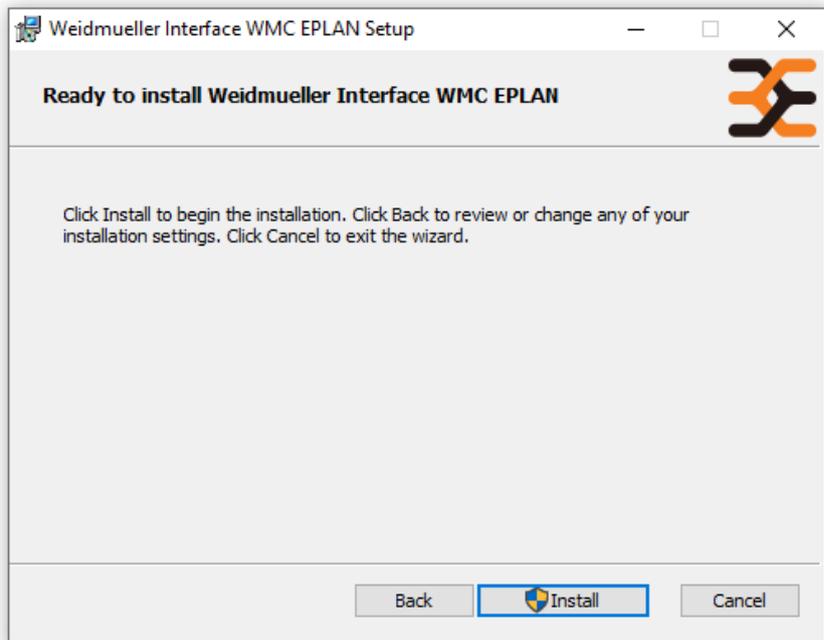
Open the EPLAN page and run the setup to start the installation wizard.

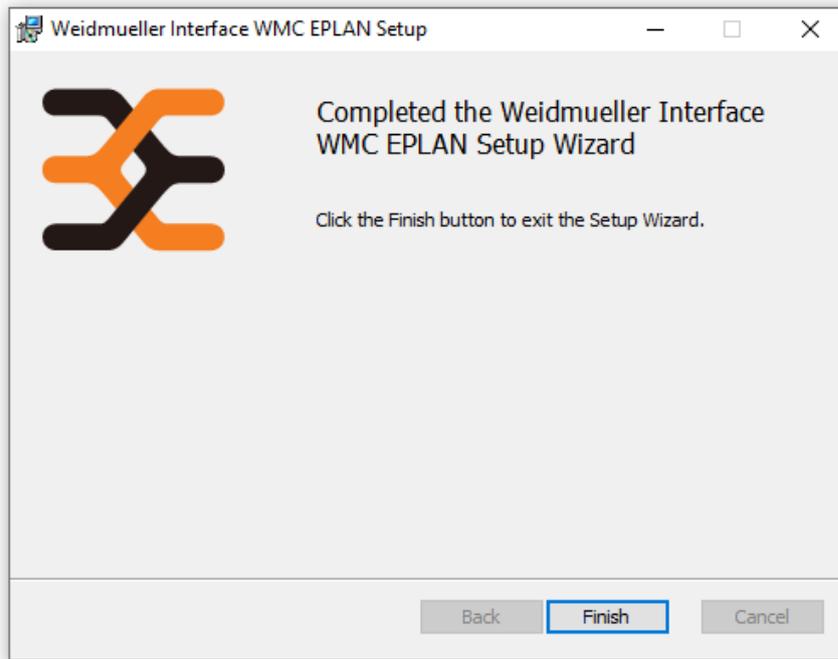


Confirming with “Next” you have the possibility to choose the supported EPLAN version.

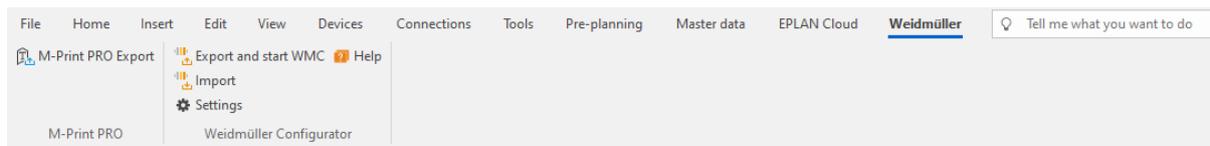


It's also common to install the plugin for all EPLAN versions regardless of not having all EPLAN version installed. After updating/installing newer/other versions, the installed ones will be loaded automatically in EPLAN.





When the installation of the Addon is done, you get a new Tab called “Weidmüller” for the Weidmüller interface in EPLAN P8 and Pro Panel as shown below:



Use case

The Interface can be used in 3 different **Use cases**.

1. EPLAN->Weidmüller: Start engineering in EPLAN then transfer the Data to the Weidmüller Configurator.
2. Roundtrip between EPLAN and WMC: Start engineering in EPLAN then transfer some Data to the Configurator. The configurator supplements articles like terminals with its appropriate accessories by the verify/auto solve function. These additional articles can be transferred back to EPLAN.
3. Weidmüller -> EPLAN: Start your configuration from scratch or use an Assistant in the Weidmüller Configurator to transfer the Data to EPLAN.

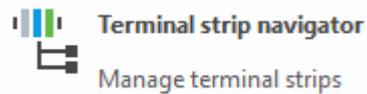
Export & Import



Export

To export your configuration you can choose between two options depending on your use case:

1. To export terminal strips, select the desired terminal strip(s) or node(s) in the terminal strip navigator and click on “Export and start WMC”.



2. To export mounting rails, select the desired mounting rail(s) or node(s) in the layout space navigator and click on “Export and start WMC”.



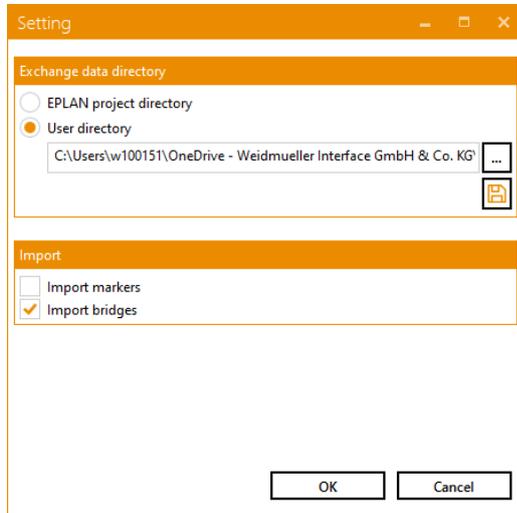
Import

To import a configuration you just need to click on “Export...” in the EPLAN interface ribbon in the WMC and your project will be transferred automatically into the matching entity of EPLAN. If no matching project is available, a list of the available projects of the entity will be shown, where you still get the possibility to import a configuration.

The second option is to import a saved file with the suffix *.WmcToEplan.

Settings

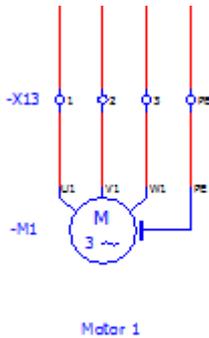
In the settings you can control the export and import properties. In the “Exchange data directory” block you can set the data exchange path and save a file manually. The default value is the EPlan project directory. In the “Import” block you can choose which accessories articles you want to import. By default all accessories are selected.



Generic planning

Generic planning means to engineer in a ECAD software symbols/electrical functions without concerning about any articles. In EPLAN each symbol provides a function ID whereby the WMC can suggest appropriate components (terminals).

As an example, the terminal strip X13 is not containing a certain article at each terminal.



Here is the EPLAN terminal property for -X13:1. The terminal is just containing a function definition:

 Properties (components): Terminal

Terminal	Display	Symbol / function data	Parts
Displayed DT:	-X13		Full DT: =C1+01-X13:1
Designation:	1		Description:
Connection point designation:			Connection point description:
Level:	0		Function text:
Saddle jumper:	Automatic		Function definition: Terminal with saddle jumper, 2 connection points
<input checked="" type="checkbox"/> Main terminal			<input checked="" type="checkbox"/> Distributed terminal

The parts list does not contain any article.

Important is that you never use the general IDs during the generic planning. Mostly the second option in the list “function definitions” is wrong, regardless of the quantity of connection points. For example: Don’t use “Terminal, general, with saddle jumper, 2 connection points” instead you must choose “Terminal with saddle jumper, 2 connection points”.

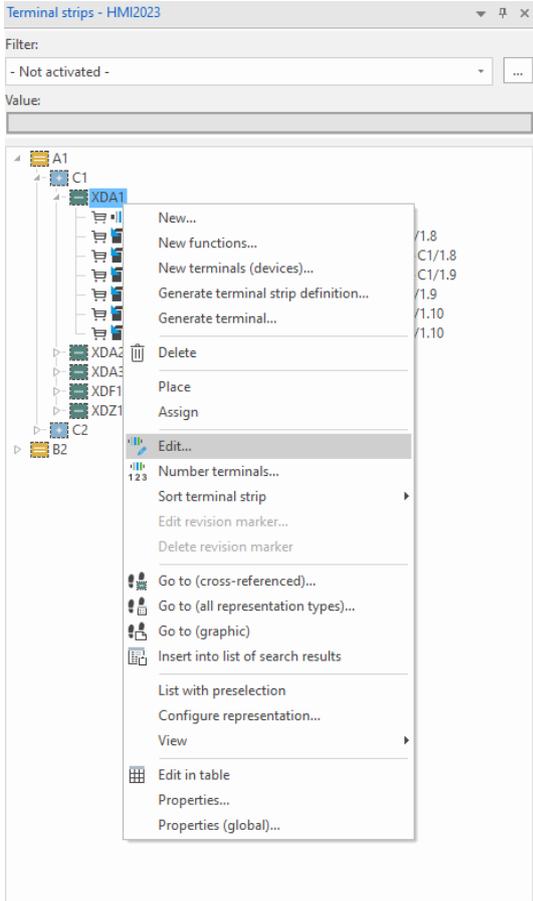
 Function definitions

Selection:

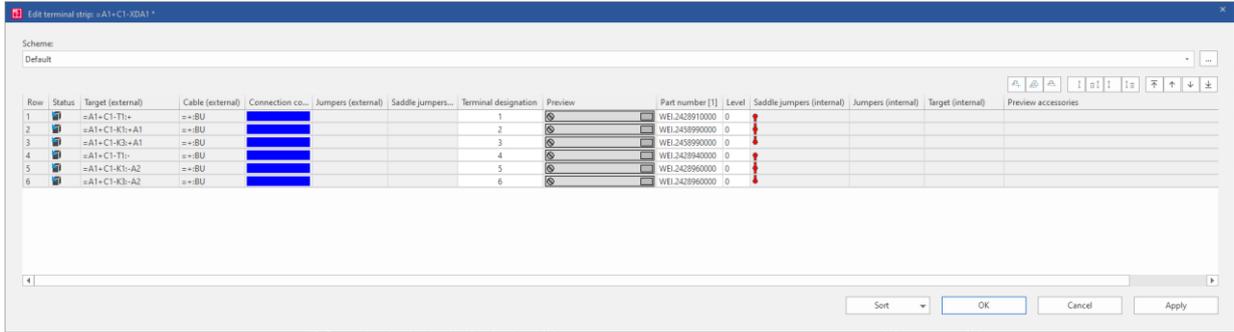
- [-] [E] Electrical engineering
 - [-] [E] Terminals and plugs
 - [-] [T] Terminal
 - [-] [G] Graphic
 - [-] [V] Terminal, variable
 - [-] [S1] Terminals with saddle jumper, 1 connection point
 - [-] [S2] Terminals with saddle jumper, 2 connection points
 - N-terminal with saddle jumper, 2 connection points
 - PE terminal with rail contact, 2 connection points
 - SH terminal with saddle jumper, 2 connection points
 - Terminal with saddle jumper, 2 connection points
 - ~~● Terminal, general, with saddle jumper, 2 connection points~~
 - [-] [S3] Terminals with saddle jumper, 3 connection points
 - [-] [S4] Terminals with saddle jumper, 4 connection points
 - [-] [S5] Terminals with saddle jumper, 5 connection points
 - [-] [S6] Terminals with saddle jumper, 6 connection points
 - [-] [S7] Terminals with saddle jumper, 7 connection points
 - [-] [S8] Terminals with saddle jumper, 8 connection points
 - [-] [S9] Terminals with saddle jumper, 9 connection points
 - [-] [T1] Terminals, 1 connection point
 - [-] [T2] Terminals, 2 connection points
 - [-] [T3] Terminals, 3 connection points
 - [-] [T4] Terminals, 4 connection points
 - [-] [T5] Terminals, 5 connection points
 - [-] [T6] Terminals, 6 connection points
 - [-] [T7] Terminals, 7 connection points
 - [-] [T8] Terminals, 8 connection points
 - [-] [T9] Terminals, 9 connection points

Proof terminal strip definition before export

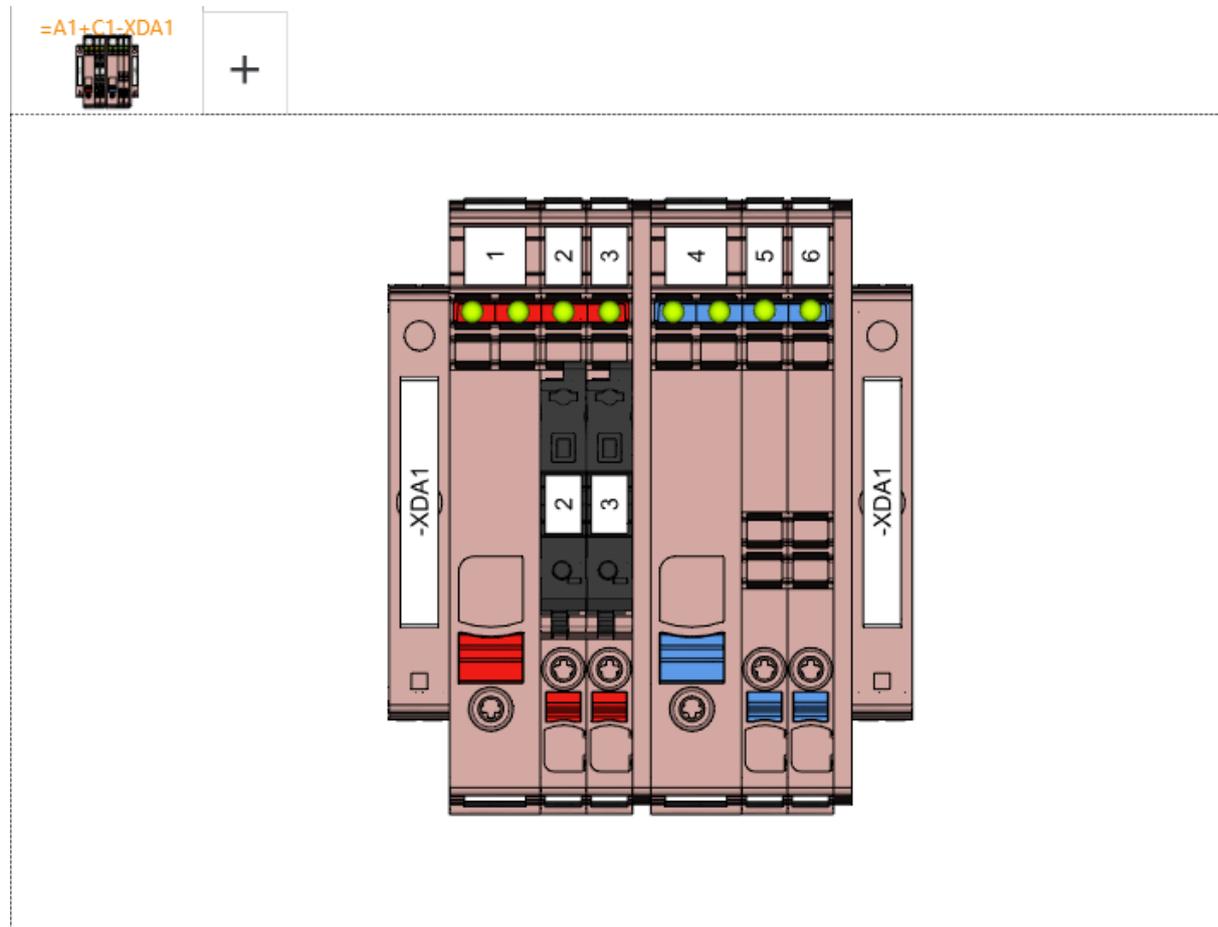
Now you can proof or edit your terminal strip definition in the terminal strip navigator by clicking „edit“.



The information and attributes of the terminal strip definition will be used for the sorting and mapping of each terminal. Here it is possible to change the rows, designations, insert part numbers and more if needed and it will have a direct effect on the configuration you will get in the Weidmüller Configurator.



Below you can see the result of the above shown terminal strip definition with the help of the verify assistant and product knowledge.



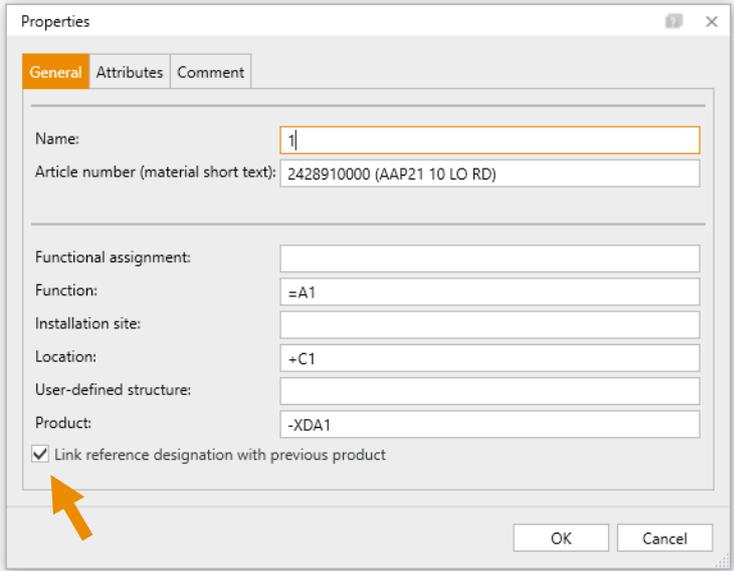
Working in the WMC after EPLAN Import

After using the [import assistant](#), you can now see your imported rails in the WMC. You have the opportunity to:

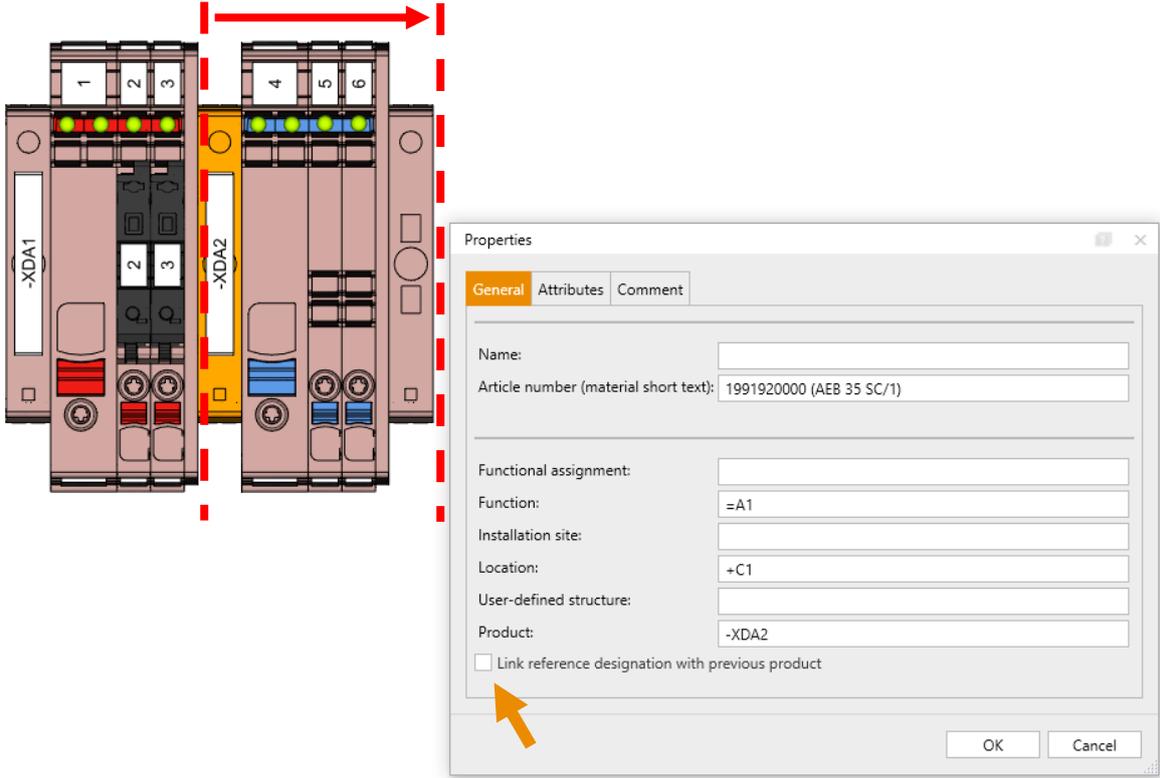
- Add some new terminal blocks and transfer it back to EPLAN
- Change placing of existing parts
- Add accessories like markers, bridges or endplates and end brackets to the terminals
- Use the auto verification function to complement needed accessories

Hint:

For afterwards added articles the reference designation will automatically be taken from the previous articles, because of the enabled check mark “Link reference designation with previous product”.



If you want to change the reference designation of your current configuration, you just have to remove the checkmark only for the first/starting article of the new block and you can now change the tags.

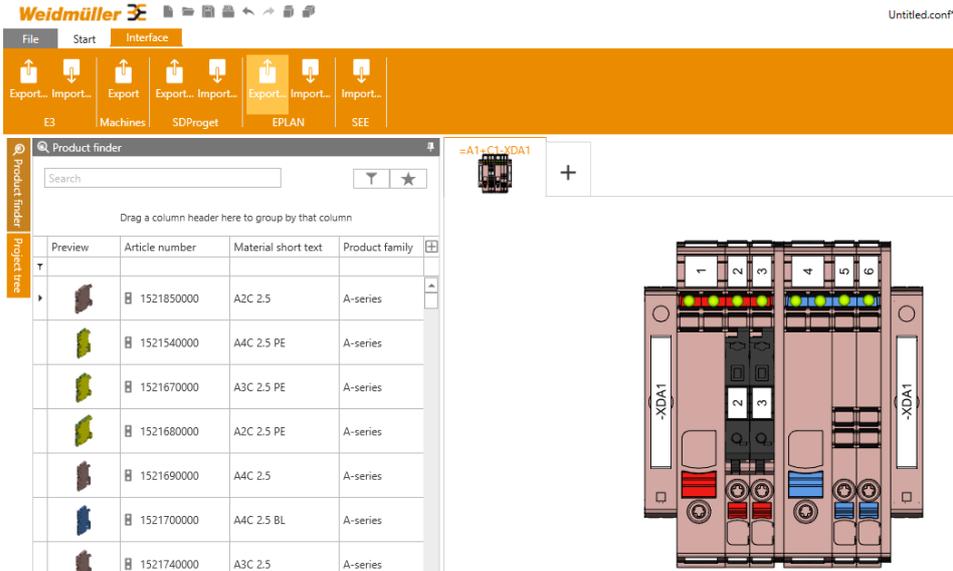


The reference designation for the previous products still untouched and the past products will have the new product designation

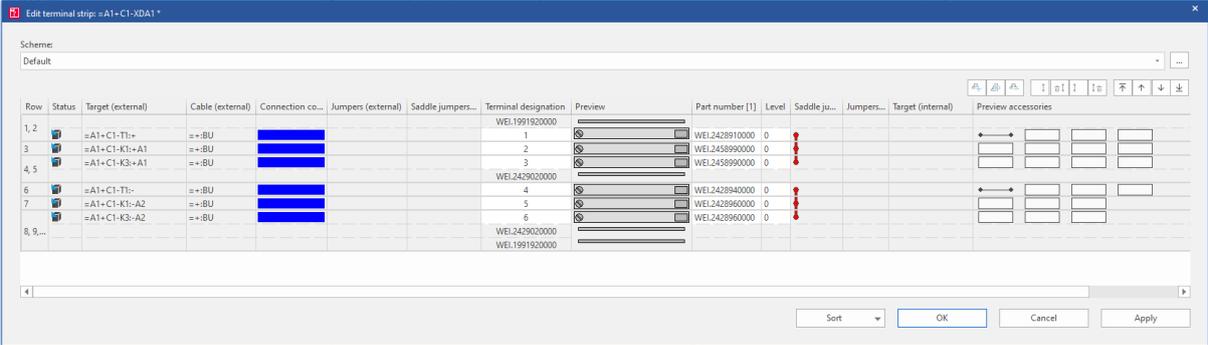
Export back to EPLAN

After all needed changes have been made, you can use the “Interface” tab to export the configuration back to EPLAN.

All supplemented articles will be added to your stock list.

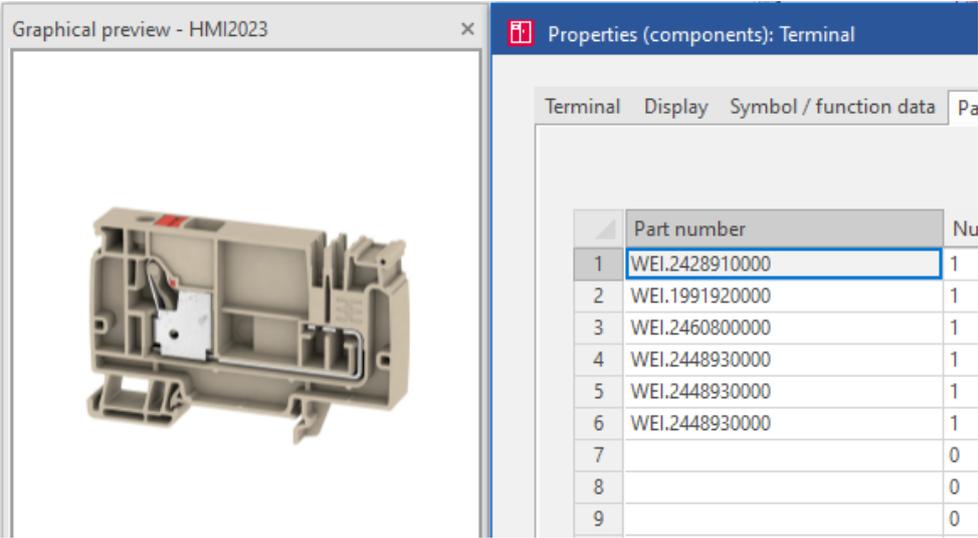


The result can be shown in the terminal strip navigator:



Afterwards, you have just to place the new terminals in the schematics if they were added in the WMC. Complemented accessories like markers, end-plates and end brackets which belongs to a certain terminal are listed on the terminal part list and added in the terminal strip definition.

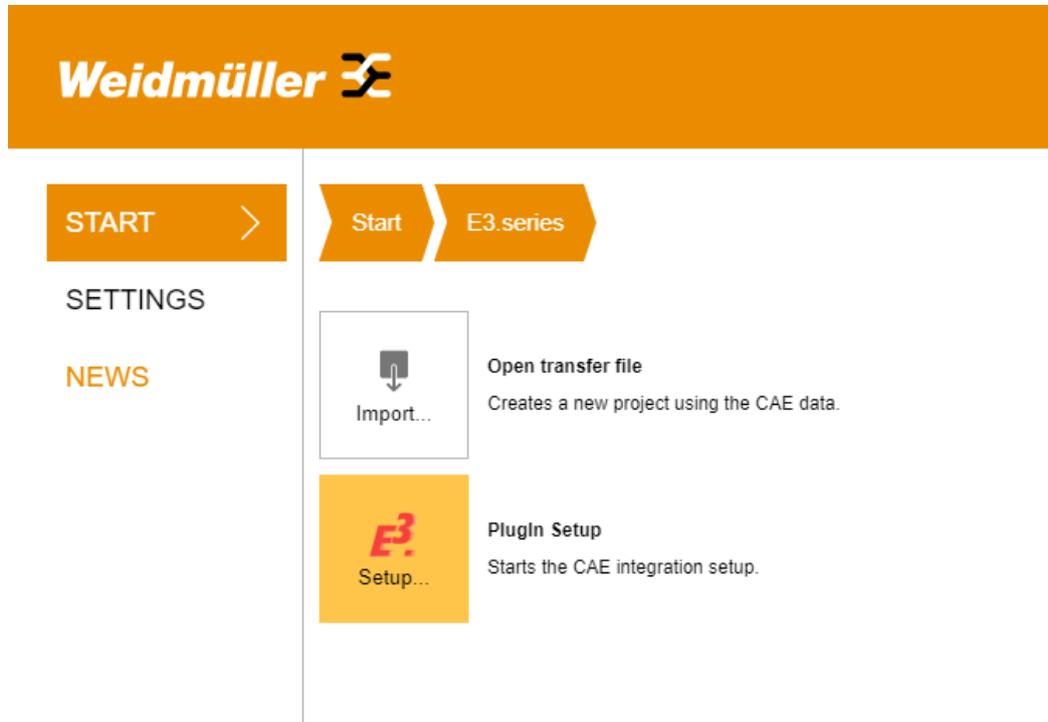
The same applies for supplement of the part list in EPLAN Pro Panel.



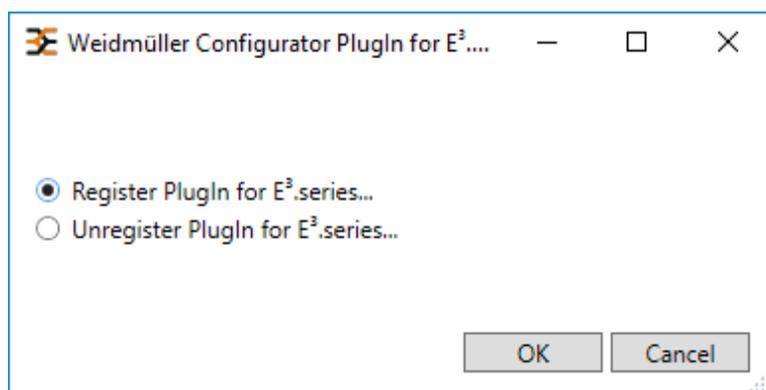
Using Zuken E³.series

Installation

Go to E3.series from the start page or the file menu of WMC and choose „Interfaces“.



Click on the Plugin Setup, afterwards a window is popping up. Then select register plugin as shown in the pictures.



In case of having already installed the plug-In, there is no need for an update.

General information

The Interface can be used in 3 different **Use cases**.

1. E3.series->WMC: Start engineering in E3 then transfer the Data to WMC.
2. Roundtrip between E3.series and WMC: Start engineering in E3 then transfer some data to the configurator. The configurator supplements articles like terminals with its appropriate accessories by the verify/auto solve function. These additional articles can be transferred back to E3.
3. WMC->E3.series: Start designing components in the configurator and export these components to E3.

Article scope

The behavior of the transferred articles is different and depends on the used E3 module.

E3.schematics = terminals including its accessories

E3.panel = Weidmüller devices in general

E3.schematics

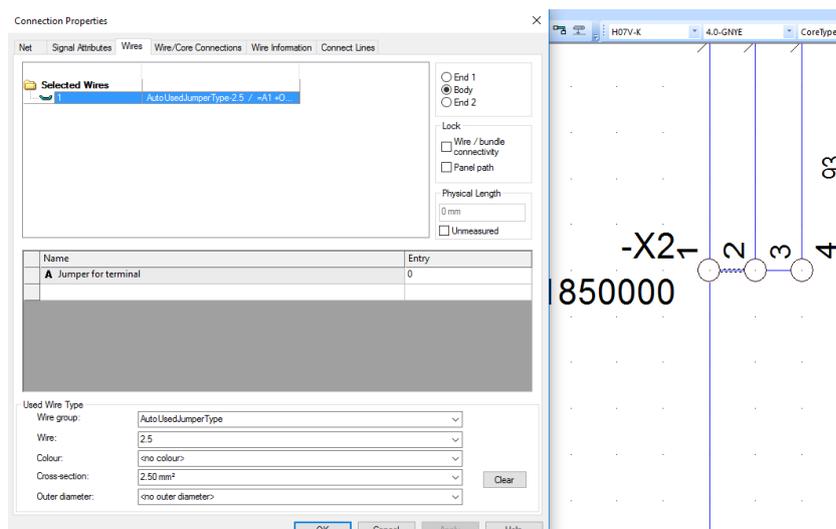
With reference to the transferred items between E3.schematics and the Configurator the Interface is mainly handling terminals including its accessories like markers, cross connectors, end plates and end brackets.

Placement of bridges and accessories

The WMC can place bridges/jumpers in order to connect terminals. Here are 2 different ways to properly define these bridges in E3.

Generic bridges

Draw a connection between terminals and use the wire "AutoUsedJumperTyp" from the default E3 components library. As you can see in the picture the connection between the terminal -X2:1 and -X2:2.



Bridges as additional parts

In case of you would like to place a certain bridge/jumper article, you have to assign the bridge part number (which you would like to connect) on the first connected terminal from left. After right-clicking on the terminal open the “Device Properties”, then click on the marked row and choose the option “Additional Part”.

Device Properties

Device | Device II | Terminal Strip | Signal | Pins | Connector Pin Terminals | Pin Assign

Device designation: -X2

Higher level assignment: =A1

Location: +01

View number: <no entry>

Remove from current assembly

Create assembly

Move to assembly: <no entry>

Insert assembly designation before device designations

Inherit item designation from assembly

Component: 1521850000

List options: with structure

Table symbol: <no entry>

Default Template: <no entry>

Name	Entry
<input type="checkbox"/> A Article Type	A2C 2.5
<input type="checkbox"/> A Hyperlink	http://catalog.weidmueller.com/cgi-bin/cn
<input type="checkbox"/> A Weight	0.0064
<input checked="" type="checkbox"/> T Free symbol text (Type 1)	<no entry>

Device Properties

Device | Device II | Terminal Strip | Signal | Pins | Con

Additional Part

Attribute for use from active pin terminal

BOM Position

Component Group

Connection Class (Panel)

Customer device designation (electric)

Data sheet

In this new row you can type the bridge/ jumper article number of the desired bridge. As an example: On X2:1 is assigned a bridge/jumper part number:

Device Properties

Device | Device II | Terminal Strip | Signal | Pins | Connector Pin Terminals | Pin Assignment | Pin Names | Component | Model | Shape | Slots/Pins

Device designation: -X2

Higher level assignment: =A1

Location: +O1

View number: <no entry>

Remove from current assembly

Create assembly

Move to assembly: <no entry> List all ...

Insert assembly designation before device designations

Inherit item designation from assembly

Component: 1521850000

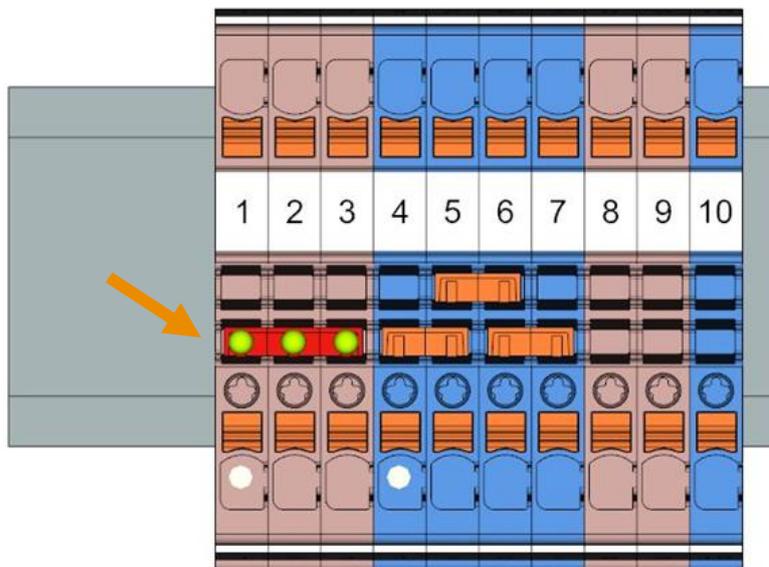
List options: with structure Created with view number:

Table symbol: <no entry>

Default Template: <no entry>

Name	Entry
<input type="checkbox"/> A Additional Part	2108690000
<input type="checkbox"/> A Article Type	A2C 2.5
<input type="checkbox"/> A Hyperlink	http://catalog.weidmueller.com/cgi-bin/cm_syb.exe?Startup=externalAccess&UserID=webuser&Password=webuser&UserLang=en&CatalogStyl
<input type="checkbox"/> A Weight	0.0064
<input checked="" type="checkbox"/> T Free symbol text (T)	<no entry>

After an import to the configurator, you can see the bridge part number, which is connected to the terminals X2:1, 2 and 3.

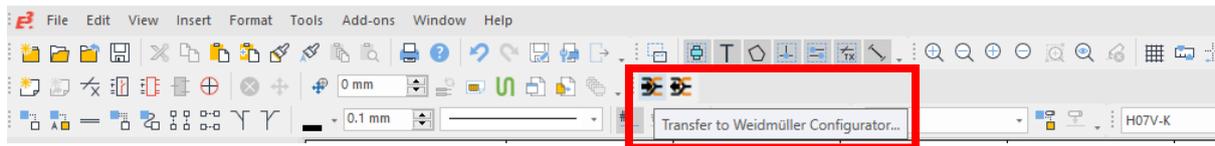


Accessories

The required accessories, which belongs to a certain terminal like an end plate, can be assigned if desired in the same way as explained before under method 2. bridge/jumper placement via the attribute additional part.

Import

At the beginning you are going to import an E3.schematics project to the configurator. The project is already open in E3.schematics. Click on the export button and the import of the Configurator is automatically in progress.

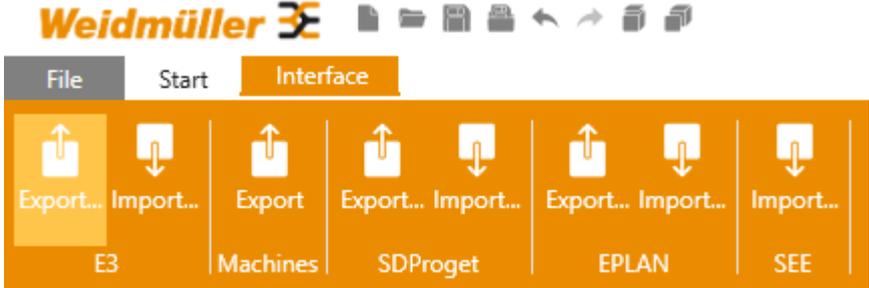


To see the import process please, take a look at the section [Import](#).

To see the suggested article settings, please take a look at the section [suggested articles](#).

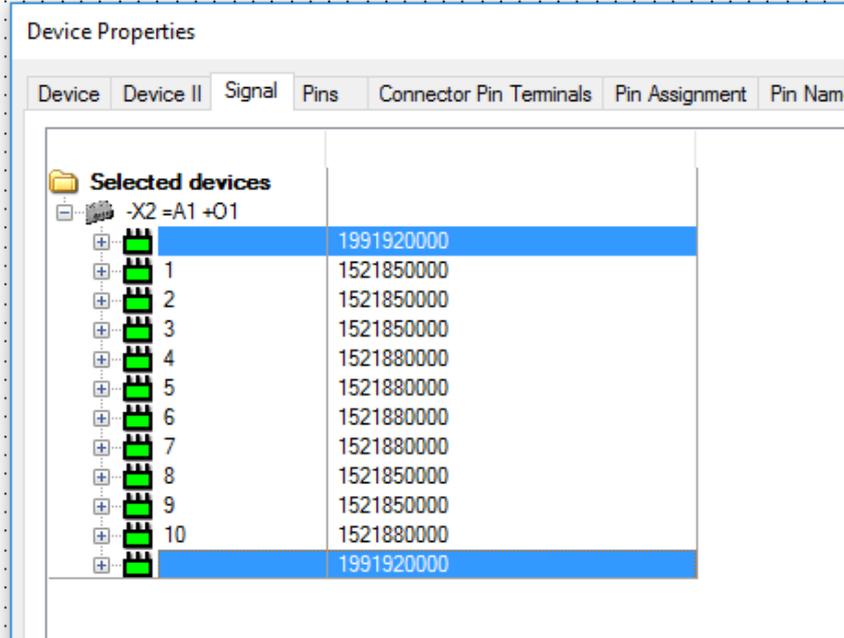
Export

After all needed changes have been made, you can use the “Interface” tab to export the configuration back to E3.



The configuration will be exported and automatically imported in E3

In this example two end brackets were added, and you can see these articles under the terminal strip definition properties (blue marked below). Added accessories like markers and end-plates which belong to a certain terminal are listed on the terminal part list.



The screenshot shows the 'Device Properties' dialog box with the 'Terminal' tab selected. The table below lists the terminal strip pins, with the first and last rows highlighted in blue, indicating the end brackets.

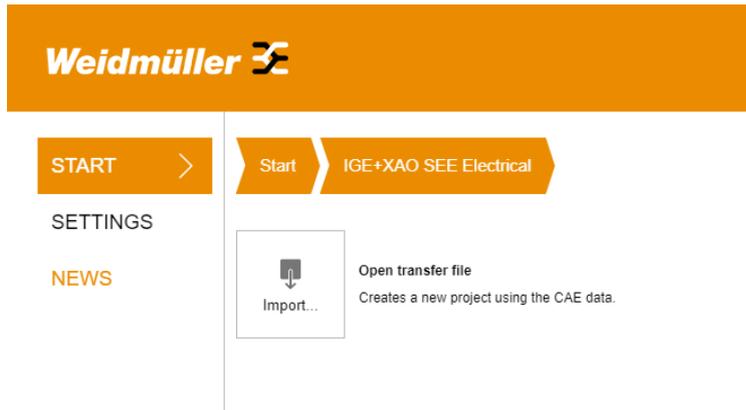
Device	Device ID	Signal	Pins	Connector	Pin	Terminals	Pin Assignment	Pin Name
Selected devices								
-X2 =A1 +01								
								1991920000
			1					1521850000
			2					1521850000
			3					1521850000
			4					1521880000
			5					1521880000
			6					1521880000
			7					1521880000
			8					1521850000
			9					1521850000
			10					1521880000
								1991920000

Using IGE XAO

Import

To transfer a Project from IGE XAO SEE Electrical Expert to the WMC there are two possibilities.

1. Automatic: Use the direct export function in SEE Electrical Expert with an automatically opening of the WMC.
2. Manual: Open the Interface IGE+XAO SEE Electrical Interface and use the Import button to select a file, which was created from SEE Electrical Expert before.



After updating the file, the [Import Assistant](#) will be opened and you can work with the configuration in the working area in the WMC.

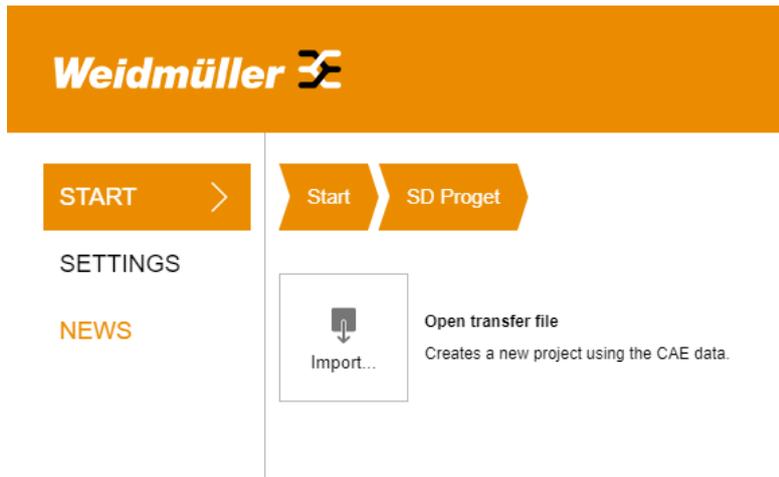
To see the suggested article settings, please take a look at the section [suggested articles](#).

Using SDProget SPAC

Import

To transfer a Project from SDProget SPAC to the WMC there are two possibilities.

1. Automatic: Use the direct export function in SPAC with an automatically opening of the WMC.
2. Manual: Open the Interface SDProget SPAC Interface and use the Import button to select a file, which was created from SPAC before.



After updating the file, the [Import Assistant](#) will be opened and you can work with the configuration in the working area in the WMC.

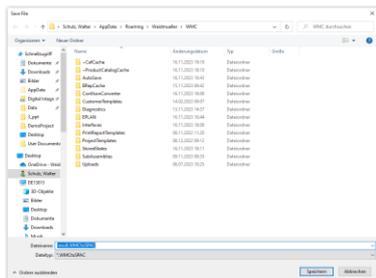
To see the suggested article settings, please take a look at the section [suggested articles](#).

Export

After all needed changes have been made, you can use the “Interface” tab to export the configuration back to SPAC.



The configuration can now be stored and opened by SPAC



Using the CSV Import

Import

The Weidmüller Configurator (WMC) enables you to import mounting rail assemblies from every software program that can export a csv file with the minimum of part numbers.



The screenshot shows the Weidmüller WMC interface for CSV import. On the left, there is a navigation menu with 'START', 'SETTINGS', and 'NEWS'. The main area is titled 'Start CSV' and contains the following elements:

- Open transfer file:** A button labeled 'Import...' with a subtext 'Creates a new project using the CAE data.'
- Download example file (complete):** A button to download a full example file.
- Download example file (only part numbers):** A button to download an example file with only article numbers.
- CSV File Structure:** A section with input fields for:
 - Column delimiter: ;
 - Number of starting row: 1
 - Column number for article numbers: 1
 - Column number for product designation: 2
 - Column number for the marker labelling information: 3
- Reference designation:** A section with input fields for:
 - Functional assignment: ==
 - Function: =
 - Installation site: ++
 - Location: +
 - User-defined structure: #
 - Product: -
- Terminal Designation Diagram:** A diagram of a terminal block with labels L1, L2, L3, N, PE and HBS1+CS_X0A1.
- Reset to default values:** A button at the bottom left.

At the bottom left of the interface, the version number 'v2023.1.239.9845-2023-11-06' is displayed.

Download example file

Do you want to import only a list of article numbers, get an example file by clicking on “Download example file (only part numbers)” and define your storage folder for the download of an example project.

If you want to import more information additional to the the article number, like for instance the terminal designation, get an example file by clicking on “Download example file (complete)”.

The files are examples to show how an export could look like. All necessary columns are already filled with the information aligned to the “CSV File Structure” and “Reference designation” settings, so nothing needs to be change.

CSV File Structure

Item	Description	Default values
Column delimiter	Enter the delimiter of your csv file	;
Number of starting row	Number of the row in which the relevant information begins	1
Column number for article numbers	Number of the column in which the article number is located	1
Column number for product designation	Number of the column in which the product designation is located	2
Column number for the marker labelling information	Number of the column in which the marker labelling information is located	3

Reference designation

Item	Description	Default values
Functional Assignment	Define the indicator of the functional assignment designation	==
Function	Define the indicator of the functional designation	=
Installation site	Define the indicator of the installation site designation	++
Location	Define the indicator of the location designation	+
User defined structure	Define the indicator of the ser defined structure designation	#
Product	Define the indicator of the product designation	-

You can adjust the values of the reference designation according to your individual project settings.

After updating the file, the [Import Assistant](#) will be opened and you can work with the configuration in the working area in the WMC.

Fast Delivery Service

With the Fast Delivery Service, the WMC offers the possibility that you could configure your terminal rail or enclosure and get an automatic offer with delivery promise for the individual configuration. For more details to the Fast Delivery service, please have a look at www.weidmueller.com/fds.

Service level

For the Fast Delivery Service, we offer you different service levels, that you could select in the WMC.



5 Days Fast Delivery - Terminal Rail:

We promise an automatic offer for released customer within minutes. After ordering the terminal rails will be ready for shipment in 4 days. The delivery promise is valid for 30pcs per order. If you order more than 30pcs we will deliver in parts.



10 Days Fast Delivery - Terminal Rail:

We promise an automatic offer for released customer within minutes. After ordering the terminal rails will be ready for shipment in 9 days.



Fast Offer - Terminal Rail:

We promise an automatic offer for released customers within minutes. No delivery promises for this article number. Delivery time is on request.



5 Days Fast Delivery - Enclosure:

We promise an automatic offer for released customer within minutes. After ordering the enclosures will be ready for shipment in 4 days. The delivery promise is valid for 10pcs per order. If you order more than 10pcs we will deliver in parts.



10 Days Fast Delivery - Enclosure:

We promise an automatic offer for released customer within minutes. After ordering the enclosures will be ready for shipment in 9 days.



Fast Offer - Enclosure:

We promise an automatic offer for released customers within minutes. No delivery promises for this article number. Delivery time is on request.

Working with the Fast Delivery Service

You have 2 ways to use the Fast Delivery Service with the different service levels:

1. Start directly with the service level. For this you select the button "Fast Delivery Service" in the start screen or select first the "Mounting rail" or "Enclosure".

Next you select your needed service level and start with your configuration.

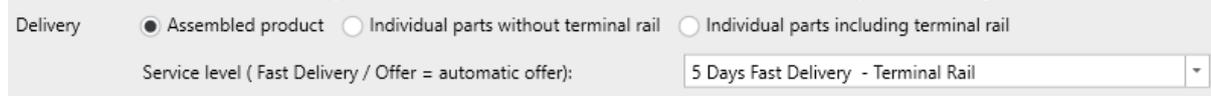
If you chose this way, the assortment and functionality of the WMC will be focused to the possibilities that we could offer in this service level. Components and functions which do not fit to this service level could not be selected.

2. Start with a new project and see in the request window in which service level we could offer your configuration.

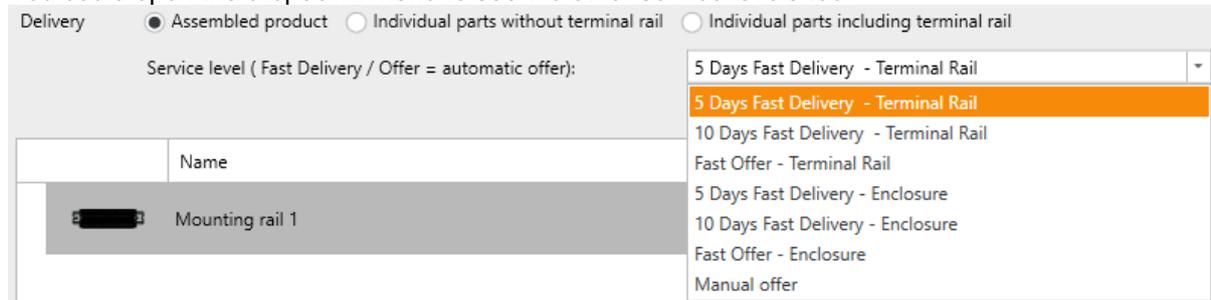
With this possibility you could use all components and functions which are included in the WMC. In case of request, you could see in which service level we are able to offer you the configuration.

If you want to get the automatic offer, you must click the “Request” button after you have finished your configuration.

Select for the “Delivery” “Assembled product”. Now the WMC will check your configuration according to the assortment and safety rules. The best service level that we could provide to you will be shown.



You could open the dropdown menu to see the other service levels too.



You see all the service level that we are offering with the Fast Delivery Service.

For the service levels “5 Days Fast Delivery - Terminal Rail”, “10 Days Fast Deliver - Terminal Rail”, “Fast Offer - Terminal Rail”, “5 Days Fast Delivery - Enclosure”, “10 Days Fast Delivery - Enclosure” and “Fast Offer - Enclosure” we offer an automatic offer for released customer. (Release could be done via your local sales)

If you select “Manual offer” the request will be forwarded to the local responsible sales team – depending on the country that you have selected - and you will get the offer within days.

If the best fitting service level is not the one that you wish, you could select the wished one in the dropdown menu and the WMC will check if the service level is possible.

If yes, the “Send” button will be activated and you could send the request to Weidmüller.

If no, the “Send” button will be deactivated and you will get the error message:

**The current project is not compatible with the selected delivery option.
For more details, close this dialog and check the messages in the output window.**

Close the “Request” window and in the “Output” window you will find the information why the wished service level is not possible.

Following messages could appear:

*Terminal configuration is not valid for the selected delivery option. For more details start the verify assistant.
Your configuration does not fulfill the safety rules of the WMC.*

Please use the “Verify” to see what you have to change.
 If endplates, separators and/or end brackets are the reason for the error, you could deactivate for this topic the verification.

The selected delivery option requires deletion of comments. [Delete comments...](#)
 In your project are comments on the components or the project properties included. Comments could not be interpreted by the automatic system. Therefore, comments must be deleted. All comments could be deleted by clicking on “[Delete comments...](#)”

***XXX:** Product (**XXX**) is not valid for the desired Application [Country ISO code] = [XX] [Fast Delivery Service] = [XXX]. [Replace with similar product...](#)*

This component is not part of the selected service level.

To solve, you have 3 possibilities:

- select another service level in which this component is included
- replace component with similar product which is in the wished service level
 click on “[Replace with similar product...](#)” will show similar products from the wished service level.
- delete this component from the configuration

***XXX:** The selected delivery option does not allow custom punching*

You have selected a custom slot/hole for the mounting rail, which Weidmüller is not able to provide.

Change the slot/hole in the “Mounting rail adaptation” and take care that the checkbox “Use tools for assembly by Weidmüller only” is activated.

***XXX:** For the selected delivery option the length of the terminal rail has to be between 100.0 mm and 1200.0 mm*

This error message will be only shown for the service level “4 day terminal strip”. Reason is that our robot, who is doing the assembly, is not able to handle smaller or longer terminal rails.

To solve, you must choose a length between 100 and 1200mm. If the terminal rail is too long, maybe divide the rail into 2 pieces.

***XXX:** Supply part (**XXX**) is not valid for the selected delivery option*

Supply parts are not allowed in our automatic offer. Please see the supply parts behind the button “Supply parts” and delete them to get an automatic offer.

***XXX:** Product (**StrippedWireEnd**) is not valid for the selected delivery option.*

Wiring is not allowed for the automatic offer. Please delete the wire to get an automatic offer.



Depending of the selected “Sales region” in the Settings you will find the possible service levels for your region.