TTW Configurator

WEG Type Tested Assembly Configurator Operation Manual





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1 INSTRUCTIONS

For the complete understanding of the operating procedures contained in this manual, it is recommended that the user who will operate the Panel Configuration system have technical knowledge of the product for which this configuration system is intended.

1.1 Access Permissions

The Configurator has an access restriction system; therefore, to access the page of the Configurator, the user must have a user login and password previously registered.



NOTE! To request access, contact WEG's sales team.

1.2 Minimum Requirements

The Product Configurator is a WEB tool, so in order to access it, the user must have a device with internet access.

2 ACCESSING THE CONFIGURATOR

To access the Configurator, the user must log in to WEG website, using credentials that allow him to access the system.

2.1 Accessing the TTW Configurator

After logging in to the WEG Website, access the TTW page. PRODUCTS > Electrical Panels> TYPE TESTED ASSEMBLY.

	ns ↓ invest	°ors Support →
Electric Motors	>	MEDIUM VOLTAGE SWITCHGEAR
Gearboxes and Geared Motors Generation,Transmission and Distribution	>	Primary Distribution (IEC) Secondary Distribution (IEC)
Industrial Automation	>	LOW VOLTAGE MOTOR CONTROL CENTERS MEDIUM VOLTAGE CONTROLLER /LOAD CENTER
Building & Infrastructure Critical Power	>	TYPE TESTED ASSEMBLY (TTA)
Safety Electric Panels	>	SWITCHING ROOMS/E-HOUSE
Coatings and Varnishes	>	AUTOMATION SYSTEMS
Spare Parts Service	>	

Figure 1 – WEG Website.

The page of Type Tested Assembly has two product options. When accessing them, the user will have access to the specific configurator software of each application: Panels (TTW01) and Switchboards (TTW01-QD).

Type Tested Assemb	bly (TTA)
⊖ Categories	Looking for a catalog or manual? Access our Download Center.
Type Tested Assembly (TTA) TTW01-QD Type Tested Assembly (TTA)	FLEXIBILITY AND SAFETY IN ELECTRIC ENERGY DISTRIBUTION DI
	Type Tested Assembly (TTA) TTW01-0D Type Tested Assembly (TTA)

Figure 2 – Type Tested Assemblies.

After choosing the product model to be configured, on the page of the respective model, click the Configure button.



Figure 3 – Configurator Access Screen.

2.2 Panels Configuring

2.2.1 General Settings of the Project

On the initial screen, you define the panel general Settings. The fields are gradually activated, it means, when you select the value of a panel characteristic, the next field is activated.



NOTE!

All activated fields are mandatory except for the "Tag" fields, which are free text fields intended to help the user identify the pieces and parts of the panel.

After filling in all the characteristics related to the panel, the button used to add Columns to the project will be active.

Clicking the **Column** button locks the general characteristics and takes the user to the Columns Setting screen.

CONSTGUENT Weing Construction Wing ← Dowing ← Column Materials Wing ← Dowing ← Column Materials Phylice Tag: Constructive model: 38 Bottom of the columns: With foam Constructive model: 38 Bottom of the columns: With foam Constructive model: 38 Bottom of the columns: With foam Constructive model: 38 Bottom of the columns: With foam Constructive model: 38 Bottom of the columns: With foam Constructive model: 38 Bottom of the columns: With foam Degree of protection: Winelan with thick gray filter: except columns that do not have shutter: Rated Current Panel: 350 Capacity: CS Main voltage type: Vea M	PRODUCT CONFIGURATOR			N
to vor vor vor vor vor vor vor vor vor vo	CONFIGURATION VIEWER BILL OF MATERIALS VIEW Drawing Materials			
Explorer	↑ Up ↓ Down + Column MAESTRO ID: 0	PANEL		
Constructive model: 38	Explorer	Tag:		
Constructive model 36 ● Bottom of the columns: With foam ● Base of the columns: 100 mm (standard) ● Depth: 600 ● Height: 2300 ● Degree of protection: Venetian with thick gray filter, except columns that do not have shutter. ● Rated Current Panel: 3150 ● Finishing: Gray RAL 7035 ● Short Circuit Current: 25.0 ● Capacity: ICS ● Main voltage type: VCa ● Auxiliary voltage type: VCa ● Auxiliary Vrequency; 60 ● Grounding Busbar: 1 ●		0	20	
Bottom of the columns: With foam ● Base of the columns: 100 mm (standard) ● Depth: 600 ● Height: 2300 ● Degree of protection: Venetian with thick gray filter, except columns that do not have shutter. Rated Current Panet: 3150 ● Finishing: Gray RAL 7035 ● Short Circuit Current: 25.0 ● Capacity: ICS ● Main voltage: 220 ● Main voltage: 127 ● Auxiliary voltage: 127 ● Auxiliary Trequency: 50 ● Grounding Busbar; 1 ●		Constructive model:	35	~
Base of the columns: 100 mm (standard)		Bottom of the columns:	With foam	•
Depth: 660 Height 2300 Degree of protection: Venetian with thick gray filter, except columns that do not have shutter. Rated Current Panel 3150 Finishing: Gray RAL 7035 Short Circuit Current 25.0 Capacity: ICS Main voltage type: Vca Main requency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vca Vea Auxiliary Vea		Base of the columns:	100 mm (standard)	~
Height 2300 ▼ Degree of protection: Venetian with thick gray filter, except columns that do not have shutter. Rated Current Panel: 3150 Finishing: Gray RAL 7035 Short Circuit Current: 25.0 Capacity: ICS Main voltage type: Vea Main requency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vea Auxiliary Veitage: 127 Grounding Busbar; 1 Grounding Busbar; 1		Depth:	600	*
Degree of protection: Venetian with thick gray filter, except columns that do not have shutter. Rated Current Panel: 3150 Finishing: Gray RAL 7035 Short Circuit Current 25.0 Capacity: ICS Main voltage: 220 Main voltage type: Vea Main voltage type: Vea Auxiliary voltage: 127 Type of auxiliary voltage: Vea Auxiliary Voltage: 120		Height:	2300	•
Rated Current Panel: 3150 Finishing: Gray RAL 7035 Short Circuit Current: 25.0 Capacity: ICS Main voltage: 220 Main voltage type: Vca Main frequency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vca Auxiliary Frequency: 50 Grounding Busbar: 1		Degree of protection:	Venetian with thick gray filter, except columns that do not have shutter.	-
Finishing: Gray RAL 7035 Short Circuit Current: 25.0 Capacity: ICS Capacity: ICS Main voltage: 220 Main voltage type: Vea Main frequency: 50 Type of auxiliary voltage: Vea Auxiliary Voltage: Vea Auxiliary Frequency: 50 Grounding Busbar: 1		Rated Current Panel:	3150	*
Short Circuit Current 25.0		Finishing:	Gray RAL 7035	•
Capacity: ICS Main voltage: 220 Main voltage type: Vca Main frequency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vca Auxiliary Frequency: 50 Counding Busbar: 1 Counter Section 1 Coun		Short Circuit Current:	25.0	-
Main voltage type: Vca v Main voltage type: Vca v Main frequency: 50 v Auxiliary voltage: 127 v Type of auxiliary voltage: Vca v Auxiliary Frequency: 50 v Grounding Busbar: 1 v		Capacity:	ICS	-
Main voltage type: Vea Main frequency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vea Auxiliary Frequency: 50 Grounding Busbar: 1 Column		Main voltage:	220	Ŧ
Main frequency: 50 Auxiliary voltage: 127 Type of auxiliary voltage: Vca Auxiliary Frequency: 50 Grounding Busbar: 1 Column		Main voltage type:	Vca	-
Auxiliary voltage: 127		Main frequency:	50	Ŧ
Type of auxiliary voltage: Vca Auxiliary Frequency: 50 Grounding Busbar: 1 Column		Auxiliary voltage:	127	¥
Auxiliary Frequency: 50 Grounding Busbar: 1 Column		Type of auxiliary voltage:	Vca	+
Grounding Busbar: 1		Auxiliary Frequency:	50	*
+ Column		Grounding Busbar:	1	*
		+ Column		
TIW PANEL>TIW BARRAMENTO TERRA		TTW	PANEL.>TTW BARRAMENTO TERRA	

Figure 4 – General Panel Settings.

2.2.2 Column Setting

The Column Setting follows the same template as the panel, and the characteristic fields are gradually activated. After filling in all of them, the user must click Confirm.

Column	Mechanical A	Accessories	Busbar Accesso	ories			
A New	Kit - Electrical Co	omp.	New mechanical ki	t	省 Сору	🛍 Delete	•
Column -							539.0 W
	Tag:						
	Application:	Allocate Mech	anical Kits 700mm		•		
	Type of ceiling:	With flange			-		
	Front closure:	Display and do	oor with louver		~		
	Rear closure:	Cover with lou	ver		v		
	Ground Busbar:	3F+N Horizont	al		~		
	General current:	3150	▼ Vertical	current: 0	77.		
General	Neutral Current:	1000	 Vertical neutral 	current: 0	~		
	Confirm						0.0 W
						Current dissipation: 0. Max dissipation: 539.0	0
						Free space: 1950.0 Useful height: 1950.0	

Figure 5 – Column Setting.

When you confirm the column information, the system will search for the mechanical accessories and busbars for the corresponding column. The accessories can be viewed and changed through the "Mechanical Accessories" and "Busbar Accessories" tabs.

2.2.2.1 Mechanical Accessories and Column Busbars

The accessory tabs show the list of components required for assembling the columns, in addition to a list of optional accessories, whose quantity can be defined for each column individually. All accessories which quantities are locked for editing have already been automatically added to the final bill of materials when the column was confirmed. The accessories which quantity can be changed are kept in the bill of materials while the value indicated in the quantity is greater than "0". If it is changed to "0", it will be automatically deleted.

Column	Mechanica	al Accessories	Busbar Accessories					
🚠 New Kit - Electrical Comp. 🔂 New mechanical kit								
FIXED								
QUANTIT	Y	CODE	REFERENCE					
1	11267524		GENERAL BUS SET			Q		
1	11267523		NEUTRAL BUS SET			Q		
1	11771221		GROUD BUS SET			Q		
OPTIONA	AL.							
QUANTIT	Y	CODE	REFERENCE					
0	14174026		GROUD BUS SET			Q		
0	11258674		GROUD BUS SET			Q		
00								
1								

Figure 6 – Column Accessories.

2.2.3 KIT Setting

Kits are subdivided into two groups. The first group includes those associated with electrical components, and the second includes the Mechanical Kits (Mounting Plates, Cover Plates, etc.), to which some models may also have electrical components added.

The user must click the insert button of the desired Kit, which will lead to the Kit Setting screen.

Column Mechanical	Accessories Busbar Accessories	
New Kit - Electrical Co	omp. New mechanical kit 🗗 Copy	Delete
Column		539.0 W
Tag:		
Application:	Allocate Mechanical Kits 700mm	
Type of ceiling:	With flange v	
Front closure:	Display and door with louver	
Rear closure:	Cover with louver v	
Ground Busbar:	3F+N Horizontal 🗸	
General current:	3150 Vertical current: 0	
General Neutral Current:	1000 Vertical neutral current: 0	
✓ Confirm		0.0 W
		Current dissipation: 0.0 Max dissipation: 539.0
		Free space: 1950.0 Useful height: 1950.0

Figure 7 – Buttons to Insert Kits.

2.2.3.1 Electrical Component KITs

These Kit models are configured based on information about the Electrical Components that will be used.

After selecting the Family and the Model of the component to be used in the Kit, the system will show a list with all kits available and the user shall select one.

The user can check the drawing of the kits. When you click the view button ($^{\bigcirc}$), the system will open a new window with the respective drawing.

 Kits 	Kits /	Accesso	ries Electrical Components	Associated Components	Component	Accessories
🛱 Rer	nove KIT		✓ Apply			
Tag:						
Families:		Open	Circuit Breakers ×	¥		
Mechanical Mod	lels:	ABW	×	v		
Material			escription			
Selected	Materia	d.	Description		Vi	
\checkmark	113514	82	SET MIR+SUPT H1300 ABW3200	DF 1V	Q	
	120794	51	SET MIR+SUPT H1300 ABW3200	DF 1V TIE	Q	
	120751	07	SET MIR+SUPT H1300 ABW3200	DE 1V TIE	Q	
	112648	38	SET MIR+SUPT H1300 ABW3200	DE 1V	Q	
	113538	69	SET MIR+SUPT H1200 ABW1600	DF 1V	Q	
	12077521		SET MIR+SUPT H1200 ABW1600E 1V TIE		Q	
	113460	83	SET MIR+SUPT H1200 ABW1600	DE 1V	Q	
	120815	94	SET MIR+SUPT H1200 ABW1600	DF 1V TIE	Q	

Figure 8 – Choosing a Kit per Electric Component.



NOTE!

Some Kits have been developed for simultaneous use of electrical components of different families (switch disconnectors and circuit breakers, for example), so it is possible to select multiple families and component models.

After selecting the Kit, the user must proceed to the accessory selection step.



Figure 9 – Kit Setting Steps.

For some kits, it is possible to select the busbars connection side, although for most types the connection is free. With the connection side selected, all mechanical accessories and busbars associated with the relevant kit will be displayed.

Some polycarbonate protections can be changed to sheet metal parts by simply selecting the option "Sheet metal".

Kits	Kits Accessor	ies Electrical Components Associated C	omponents Component Accessories
🗎 Remo	ove KIT	✓ Apply	
Connection side:			
RIGHT		~	
FIXED MECHA	NICAL ACCES	SORIES	
QUANTITY	CODE	REFERENCE	
1	1344461	SET PROT 3B ABW3200F 0x700x0	Q
1	11331809	SET POLYCARBONATE PROT H400 0x0x600	Q
MECHANICAL	ACCESSORIE	S VARIABLE	
QUANTITY	CODE	REFERENCE	CHANGE
3	13575700	SET PLATE PROT H450 0x0x600	Sheet Metal
1	11331809	SET POLYCARBONATE PROT H400 0x0x600	Sheet Metal
BUSBAR AND	CABLES ACC	ESSORIES	
QUANTITY	CODE	REFERENCE	
1 *	11351655	SET BUS CLIENT COM ABW2000F 0x700x600	Q
3	11340839	SET BUS INTERC ABW2000E 0x300x0	Q
1	11351907	SET BUS INTERC RIGHT ABW2000F 0x700x600	Q

Figure 10 – Kits Accessories.

On the next tab "Electrical Components", you select the components that will be used in the kit. After filling in the "Family" and "Model" fields, two lists will be displayed.



NOTE!

For Open Circuit Breakers, you will also need to fill in the "Execution" field.

The bottom list is limited by the components available for use in the chosen Kit. By clicking the \pm button or changing the quantity of a component, it will be automatically transferred to the top list.

By clicking the view button ($^{ ext{Q}}$) it is possible to see the technical data of the components.

Kits Kits Acce	ssories	ectrical Components	Associated Components	Component	Accessories
Remove KIT		Apply			
Family:					
Open Circuit Breakers		*			
Model:					
ABW		~			
Execution/Mechanics:					
FIXO		~			
Selected components					
Actions Quantity	Material	Description		Vi	
+ - 2 1/1	11293779	CB ABW20ES3-20A	Z1F-A0220	Q	
Available components					
Material	Description				
Actions Quantity	Material	Description		Vi	

Figure 11 – Selection of Electrical Components.

In the "Associated Components" tab you can select the secondary components that can be associated with the main electrical components. You can, for example, select Fuses for use with a switch disconnector.

The method to select the associated components is the same as for selecting the main electrical components.

Kit	Kits Ac	cessories E	lectrical Components	Associated Components	Component Accessories
A 🗐	Remove KIT		🗸 Apply		
Components:					
DISCONNE	CTOR SWITCH	ROTARY RFW16	0-3 H 👻		
Selected a	associated cor	nponents			
Actions	Quantity	Material	Description		
+ - 🗷	3	10701721	FUSE NH aR FNH	00-35K-A	
Accellente					
Available	associated co	mponents			
Material		Description			
Actions	Quantity	Material	Description		
+ - 🖉	0	10707110	FUSE NH aR FNH	00-100K-A	<u> </u>
$+ - \square$	0	10705764	FUSE NH aR FNH	00-63K-A	
+ - 2	0	10705995	FUSE NH aR FNH	00-80K-A	
$+ - \mathbb{Z}$	0	10409887	FUSE RETARD gL	gG FNH00-80U	
+ - 🖉	0	10409888	FUSE NH gL/gG FI	NH00-100U	
$+ - \square$	0	10409885	FUSE NH gL/gG FI	NH00-50U	
+ - 2	0	10409886	FUSE NH gL/gG FI	NH00-63U	
+ - 🗷	0	10409881	FUSE NH gL/gG FI	NH00-16U	•

Figure 12 - Selection of Associated Components.

The last tab "Component Accessories" allows selecting accessories for the selected electrical components. You can select accessories for the main components and associated components, and the selection follows the same method as the previous steps.

÷	Romovo KIT		Apply	
[ii]	Nemove NII		• орру	
cessory	quantity ch	oice don't be li	nited by disponible of product capacity. I	Limitation rules
mponents		ording to mate	area offentations in product catalog.	
ISCONNE	CTOR SWITCH	ROTARY RFW16	0-3 H -> FUSE NH aR FNH00-35K-A	*
Selected a	accessories			
Actions	Quantity	Material	Description	
12	1	10185944	FUSE EXTRACT PUNCH PSFNH	
Available	accessories			
Available Material	accessories	Description		
Available Material Actions	accessories Quantity	Description Material	Description	
Available Material Actions + - @	Quantity 0	Description Material 10409869	Description FUSE BASE COVER TFW63 DIII	
Available Material Actions + - @	Accessories Quantity 0 0	Description Material 10409869 10409868	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII	
Available Material Actions + - @ + - @	Quantity 0 0 0	Description Material 10409869 10409868 10409907	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII PROTECTION RING APW63 DIII	
Available Material Actions + - @ + - @ + - @	Quantity 0 0 0 0 0	Description Material 10409869 10409868 10409907 10409906	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII PROTECTION RING APW63 DIII PROTECTION RING APW25 DII	
Available Material Actions + - @ + - @ + - @ + - @ + - @	Accessories Quantity 0 0 0 0 0 0 0 0	Description Material 10409869 10409868 10409907 10409906 10185932	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII PROTECTION RING APW63 DIII PROTECTION RING APW25 DII FUSE HOLDER BAW63	
Available Material Actions + - @ + - @ + - @ + - @ + - @	Quantity 0 0 0 0 0 0 0 0 0 0 0	Description Material 10409869 10409868 10409907 10409906 10185932 10409867	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII PROTECTION RING APW63 DIII PROTECTION RING APW25 DII FUSE HOLDER BAW63 FUSE HOLDER BSW63	
Available Material Actions + - @ + - @ + - @ + - @ + - @ + - @	Quantity 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Description Material 10409869 10409868 10409907 10409906 10185932 10409867 10045367	Description FUSE BASE COVER TFW63 DIII FUSE BASE COVER TFW25 DII PROTECTION RING APW63 DIII PROTECTION RING APW25 DII FUSE HOLDER BAW63 FUSE HOLDER BSW63 CAP CPFW25	

Figure 13 – Selection of Accessories for Components.

After this step, click the **Apply** button and the Kit will be completed.

2.2.3.2 Mechanical Kits

The Mechanical Kit Setting begins by selecting the Kit family; based on this information, all available kits will be listed.

For Mechanical Kits containing a mounting plate, it is possible to select some electrical components for use in the Kit. However, there is no standard validation when use of the components in the respective Kit.

When selecting electrical components, you can also choose accessories for the selected components.

After completing the Kit and Component selection, click the Apply button and the kit will be added to the panel.

2.2.3.3 Available Space and Thermal Dissipation

On the right side of the column Setting screen there is an illustrative drawing, which shows the free space for allocation of Kits (white area) and the space already used (dark area). This drawing is merely illustrative and is only displayed to present the space usage of the column.

When selecting Mechanical Kits or electrical components, the system automatically displays only the models which fits for use in the free space whitin the column.

Next to the column drawing is a bar graph that indicates the panel thermal dissipation levels. When the thermal dissipation of the components exceeds what is allowed for the column, a few options are displayed at the bottom of the screen to adjust the dissipation levels.

Column Mechanical	Accessories Busbar Accessories	
New Kit - Electrical C	omp. 🔤 New mechanical kit 🖉 Copy	Delete
Column		539.0 W
Tag:		539.0 W
Application:	Allocate Mechanical Kits 700mm	
Type of ceiling:	With flange 🗸	
Front closure:	Display and door with louver 🗸	
Rear closure:	Cover with louver	
Ground Busbar:	3F+N Horizontal	
General current:	3150 Vertical current: 0 v	
General Neutral Current:	1000 Vertical neutral current: 0	
✓ Confirm		0 W
Dissipation Modify the configuration of Add ventilated ceiling mec	the ports. hanical accessory.	Current dissipation: 576.4 Max dissipation: 539.0
Apply service factor Calculate forced ventila Calculated ventilation (m ⁹ /	1.0 ~ tion h):	Useful height: 1950.0

Figure 14 – Thermal Dissipation Assessment.

The thermal dissipation is recalculated if the door models are changed or also if a ventilated roof is added to the column. A cooling system is added on the "Mechanical Accessories" tab. In addition to the changes in the column Setting, you can also apply a service factor and / or select the forced ventilation calculation option. In this case, the system will report the necessary flow to adjust the dissipation levels of the column in question.

2.3 Configuring Switchboards

2.3.1 Switchboard Setting

For switchboard projects, there is no general Setting screen, because, for this configurator, each project refers to only one switchboard.

The Switchboard Setting follows the same template as the columns, and the characteristics are gradually activated. After filling in all the characteristics, the user must click Confirm

Confirm 🚠 New kit by electric	component 📄 New mechanical kit			
Box			Mirrors	100.0 V
Tag:				
Color:	MT Gray RAL 7035	¥		
Nominal current:	250	•	Total height: 750.0	
Short-circuit current:	10	•	Free space: 750.0	÷
Instalation:	Embedding	•		
Permissible temperature:	40	-		
Height:	800	•	Total baileba 750.0	
Width:	600	-	Clear height: 750.0	
Depth:	150	-	Current dissipation: 0.0 Max dissipation: 100.0	0.0 W

Figure 15 – Switchboard Setting.

When you confirm the information, the system will search for the accessories for the current switchboard. The accessories can be viewed and changed through the "Mechanical accessories" tab.

2.3.1.1 Mechanical Accessories for Switchboards

The accessories tab lists some optional components that can be used with the selected switchboard. When the amount of these components is changed to a value other than "0", the accessory is automatically added to the bill of materials.

2.3.2 KIT Setting

The Kits are subdivided into two groups. In the first group are those directly related to electrical components, and in the second are the Mechanical Kits, to which some models can also have electrical components added.

The user must click the insert button of the desired Kit type, which will lead to the Setting screen. For switchboard designs, the space available for component allocation is divided into "space for allocation of kits" and "space for allocation of cover plates". Thus, after selecting a busbar kit, the user can then configure a blank cover plate kit to be placed in front of the bars.

✓ Confirm	A New kit by electric	component New mechan	ical kit		
– Box –	Tag			Mirrors	100.0 V
	Tag.				
	Color:	MT Gray RAL 7035	*		
	Nominal current:	250	Ŧ	Total height: 750.0	
	Short-circuit current:	10	v	Free space: 750.0	-
	Instalation:	Embedding	Ŧ		
Pe	erm <mark>issible t</mark> emperature:	40	v		
	Height:	800	×	Total height 750.0	
	Width:	600	-	Clear height: 750.0]
	Depth	150	-	Current dissipation: 0.0	0.0 W

Figure 16 – Kit options and available space.



NOTE!

The kit Setting for switchboards follows the same principles applied to columns. For futher explanation, see the steps 2.2.3.1 and 2.2.3.2 of this manual.



NOTE!

The space available / used by cover plates is calculated by the system; however, their position is defined by the assembler.

2.4 Viewing the Drawings

The configurator will generate an illustrative drawing of the project, with all the columns / switchboards and the representation of the configured Kits. The drawing is accessed through the "VIEWER" tab.

	ATOR
CONFIGURATION Product configurato	BILL OF MATERIALS Materials
View: Front view * I 🗆 F	Frontal Door 📔 🗹 Busbar
	290
Representação mecânico e de componentes elétricos meramente ilustrativa	

Figure 17 – Drawing Viewer.

The construction of the drawing is dynamic, so when the Setting changes and the viewer is accessed, the drawing will be updated.

You can see the front and back views, and for the front view you can configure the view of the doors and busbars by selecting the desired option.

View: Front view - I - Fr	rontal Door 🗹 Busbar
---------------------------	------------------------

Figure 18 – View Options.

You can download the drawings by clicking the **Download** button, but you must download each view separately (Front View, Back View, etc.). The drawings will be available on the user's computer in DWG format.

2.5 Result – Bill of Materials

The "BILL OF MATERIALS" tab displays the complete list with component codes, descriptions and respective quantities.

	CONFIGURATOR		
CONFIGURATION Product configurator	VIEWER View Drawing Materia	DF MATERIALS als	
Grouped Structured (Mounting) All Electrical Mechanical			
Material	Quantity	Description	
14116694	1	ALLOCATE MECHANICAL KITS 700MM	
14034332	1	DISPLAY AND DOOR WITH LOUVER L700	
14034389	1	COVER WITH LOUVER L700	
13568349	1	CJ KEY FOR LOCK	
14098826	2	CJ LATERAL	
13542866	1	CJ BOTTOM WITH FOAM	
11258779	1	CJ FIXING BUS LAND	
11254498	1	CJ PROTECTION FOR BUS SUPERIOR	
14226802	2	CJ SUSPENSION EYE	
12857152	1	CJ DOOR FIXING ACCESSORY	
12857156	1	CJ COVER FIXING ACCESSORIES	
11229559	1	CJ BUSBAR PROTECTION	
13579899	2	CJ SUPPORT FOR BUS	
11337571	1	CJ BARRAMENTO GENERAL	
11267523	1	CJ BARRAMENTO NEUTRAL	
11771221	1	CJ BARRAMENTO GROUD	
13425354	1	SET MIR+PLATE H400 CFW11+RFW160 1V	
11884099	1	DISCONNECTOR SWITCH ROTARY RFW160-3 H	
10701721	3	FUSE NH aR FNH00-35K-A	
10185944	1	FUSE EXTRACT PUNCH PSFNH	
13421206	1	SET TRAY 3B BLANK PLATE 0x700x0	
11331809	2	SET POLYCARBONATE PROT H400 0x0x600	
11258672	3	SET BUS INTERC DW_400 0x300x0	

Figure 19 – Bill of Materials.

The display of the components can be changed, allowing to view the components grouped by code or structured according to the assembly hierarchy. In both cases it is possible to choose between full view of the components or the exclusive view of electrical or mechanical components.

 Grouped Ostructured (Mounting) 	T	All Electrical Mechanical			
Figure 20 – View Options.					

You can download the bill of materials by clicking the **Download** button. An Excel "xls" file with the Will be generated with the same bill of material displayed in the screen.

2.6 Other System Functions

The system has some additional functions that help develop the project; for example, copy columns and kits, move columns, etc.

In the left part of the "SETTINGS" tab is the "Explorer" field; in this place, the project structure is displayed. Above the explorer are the auxiliary buttons.

The Tup and Down buttons move the columns and kits within the project structure.

The **Column** button adds a new column to the project, and the **Manual** button opens the product manual.

When you click with the mouse reverse button on any Explorer item, some options are displayed. These functions allow you to delete a project kit or column, copy a column, or copy and paste a kit.

◆ Up ◆ Down ◆ Column M	AESTRO ID: 0	
Explorer		
🖶 📩 TTW01 - Panel 2300x600		
C01 - 700 - 3F+N Horizontal	 Expand Collapse Copy column Paste Kit h Delete 	1V CH ROTARY RFW16)0-100K-A

Figure 21 – Project Structure.

2.7 Project Toolbar

The is located in the upper right corner is screen and can be used to save and copy the project or display alert messages to the user.

The Displays alert messages whenever necessary to indicate to the user some inconsistency; for example, the exceeding of the thermal dissipation.

To save the project, just click the B button. The project will be saved, and the user redirected to WEG website.

When you need to cancel changes made to a project or discard an ongoing project, simply click the the button.

You can copy existing projects by clicking the button. As a result, the system will generate a copy of the project that was open. All modifications made after clicking the "Copy" button will be applied to the new project.



Figure 22 - Toolbar.



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