

eDesign

eDesign for Small Buildings Panels

User Guide

10/2025

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About the Document

Document Scope

This user guide is dedicated to eDesign Small Buildings. This application aims to help professional electricians to design electrical distribution panels for small buildings up to 250 A, 400 A, or 630 A rated current according to the country version.

Validity Note

This user guide applies to eDesign Small Buildings, version 10.0.0. That varies according to the country version.

General Cybersecurity Information

In recent years, the growing number of networked machines and production plants has seen a corresponding increase in the potential for cyber threats, such as unauthorized access, data breaches, and operational disruptions. You must, therefore, consider all possible cybersecurity measures to help protect assets and systems against such threats.

To help keep your Schneider Electric products secure and protected, it is in your best interest to implement the cybersecurity best practices as described in the [Cybersecurity Best Practices](#) document.

Schneider Electric provides additional information and assistance:

- [Subscribe to the Schneider Electric security newsletter.](#)
- [Visit the Cybersecurity Support Portal web page to:](#)
 - [Find Security Notifications.](#)
 - [Report vulnerabilities and incidents.](#)
- [Visit the Schneider Electric Cybersecurity and Data Protection Posture web page to:](#)
 - [Access the cybersecurity posture.](#)
 - [Learn more about cybersecurity in the cybersecurity academy.](#)
 - [Explore the cybersecurity services from Schneider Electric.](#)

Available Languages of the Document

The document is available in these languages:

- English
- French
- Spanish
- Greek
- Portuguese
- Romanian
- Hungarian
- Czech / Slovak

Information on Non-Inclusive or Insensitive Terminology

As a responsible, inclusive company, Schneider Electric is constantly updating its communications and products that contain non-inclusive or insensitive terminology. However, despite these efforts, our content may still contain terms that are deemed inappropriate by some customers.

Safety Information

Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a "Danger" or "Warning" safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

⚠ DANGER
DANGER indicates a hazardous situation which, if not avoided, will result in death or serious injury.

⚠ WARNING
WARNING indicates a hazardous situation which, if not avoided, could result in death or serious injury.

⚠ CAUTION
CAUTION indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.

NOTICE
NOTICE is used to address practices not related to physical injury.

Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

Data Privacy Notice

Schneider Electric cares about your privacy and treats your personal information with respect.

Our Data Privacy Policy explains how we use your data. This note gives extra details about how your information is used when you use this software.

For the latest updates, visit our official Data Privacy Policy: <https://www.se.com/ww/en/about-us/legal/data-privacy/> , or go to <https://edesign-630.se.com/home> and open the **Data Privacy Notice** from the Top-left menu.

FAQ	Details
Who manages your data?	Schneider Electric is responsible for handling your personal information when you use the eDesign platform.
What type of information do we collect?	<p>We collect different types of personal information to help you use eDesign smoothly, such as:</p> <ul style="list-style-type: none"> • Your name, email, and phone number • Login details like your username and password • Files or data you upload • Your company and job role • How you use the platform (for example: clicks, visits) • Technical info like cookies and device data
Why do we collect this information?	<p>We use your data to:</p> <ul style="list-style-type: none"> • Help you log in and use the platform • Provide services and support • Improve your experience <p>Keep things secure and follow the law - Understand how users interact with the platform</p>
How long do we keep your data?	We keep your data only as long as needed.
Who do we share your data with?	<p>We may share your data with:</p> <ul style="list-style-type: none"> • Our trusted partners and service providers • Certified professionals who help deliver services • Legal authorities, only if required. We do not sell your personal data.
How do we protect your data?	<p>We use strong security measures like:</p> <ul style="list-style-type: none"> • Encryption to keep your data safe • Secure connections (HTTPS) • Access controls so only the right people can see your data
What are your rights?	<p>You can:</p> <ul style="list-style-type: none"> • See what data we have about you • Ask us to correct or delete it • Withdraw your consent <p>To make a request, mailto:Global-Data-Privacy@schneider-electric.com</p>

Purpose of the Application

This application aims to help professional electricians to design electrical distribution panels for small buildings up to 630 A rated current.

About eDesign

eDesign is a cloud-based application that simplifies electrical panel design for small buildings and residential projects.

The guided workflow makes it easy to select panel components. Based on the selected configuration, the application automatically recommends the most suitable enclosure by evaluating:

- Required IP rating
- Encloser type (Modular, Functional, Universal)
- Modular reserve capacity

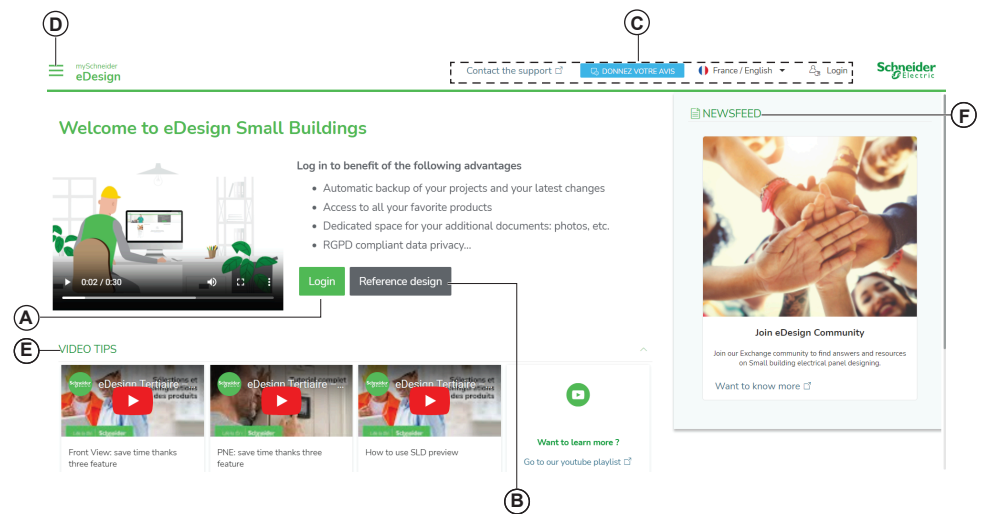
Once the electrical diagram is created using selectors, **eDesign** automatically generates:

- Single Line Diagram
- Component Labels
- Complete Bill of Material
- Detailed Project Report
- Certificate Compilation

Homepage

To open eDesign homepage, do the following:

Figure 1 - Homepage



1. Go to <https://edesign-630.se.com/home>.
2. Choose your country from the country list.
3. Read the 'Important information' and 'Terms and conditions', and select the check-box. Click **Accept** to proceed.

eDesign homepage appears. It has following sections:

- Login (A), for more information, refer to eDesign Login or Register, page 12
- Reference design (B), for more information, refer to Reference Design, page 14
- Top-right menu bar (C), for more information, refer to Top-Right Menu, page 15
- Top-left menu bar (D), for more information, refer to Top-Left Menu, page 15
- Video tips (E), for more information, refer to Video Tips, page 16
- Newsfeed (F), for more information, refer to Newsfeed, page 16

eDesign Login or Register

Log in enables users to access all the functionalities of eDesign.

To Login, click **Login**. It redirects to login window.

Figure 2 - Login or Register

eDesign Small Buildings

eDesign small building allows you to : Design your panel for your small building project up to 630 A (400 A for French version) in a few clicks. No training required to use the software. Automatically save your project while complying with RGPD standards. You can personalize all your documents : SLD , Bill of Material, Project report , 3D enclosure views with/ without door

Login or Register

Email

Remember me [?](#)

Next

or continue with

New to Schneider Electric?

Register

We process account registration information and connection logs for authentication and application access management.
[Privacy notice](#)

New User

If you are a new user, you need to register first. To register, do the following:

1. Click **Register**.
2. Enter your email address.
You will receive a unique 6-digit code at your email address..
3. Enter the unique 6-digit code.
NOTE: If you don't receive the code, click **Resend** to generate a new one.
4. Enter the following details:
 - **First Name:** Enter your first name.
 - **Last Name:** Enter your first name and last name.
 - **Location:** Select the location from the drop-down list.
 - **Password:** Enter your password.
NOTE: The password must meet following criteria:
 - Contains at least ten characters.
 - Contains at least three of the four character types:
 - Upper case letters
 - Lower case letters
 - Numbers
 - Symbols
5. Select **Yes** or **No** to indicate your preference for receiving news and commercial information from Schneider Electric.
6. Click **Register**.
7. To set your profile, enter **Company Name**.







Once you complete the registration, you can **Login** directly using your registered email address and the password you defined during setup.

Registered User

If you are an existing eDesign user, do the following:

1. Enter your email address.
2. Click **Next**.
3. Enter your password.

Or, you can login with following credentials:

- Schneider Electric credentials, click on the  icon.
- Facebook credentials, click on the  icon.
- Google credentials, click on the  icon.
- Apple credentials, click on the  icon.
- LinkedIn credentials, click on the  icon.
- Twitter credentials, click on the  icon.

Reference Design

Reference designs are real projects already designed with eDesign small buildings. These projects can be used as templates for the software tool handover. Once registered, the you can copy the projects and modify them.

To open reference design, do the following:

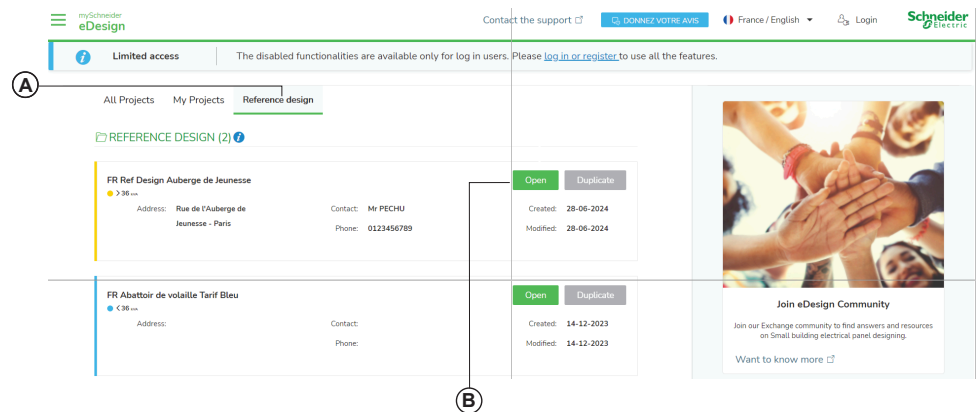
1. Click **Reference Design (A)**.

You will find list of reference designs.

2. To access any of the reference design, click **Open (B)**.


NOTE: You can view reference designs without signing in; however, functionality is limited. For example, you cannot download design outputs such as the project report or single-line diagram.

Figure 3 - Reference design



Top-Left Menu

Top-Left menu has following sections:

Section	Description
My Profile	<p>Update your personal and company details under following sections:</p> <ul style="list-style-type: none"> • My Personal Information: Update your personal details (first name, last name, email address, and mobile phone). • My Company: Update your company details (company name, email address, telephone, and address). <p>Add new discount list under MY FAMILY DISCOUNT section. To add new discount:</p> <ol style="list-style-type: none"> 1. Click Download the template. Template form will be downloaded on your system. 2. Update and save it on your system. 3. Click Upload the completed file here to upload the updated template. 4. Once the upload is complete, click the Refresh  in the BOM screen.
Need Help?	<p>It has following sections:</p> <ul style="list-style-type: none"> • QUICK GUIDE: Read the user guide and view the tutorial video. • CONTACT US: Click Contact the Support to ask any questions and share experiences.
FAQs	Find the list of questions and answers in the FAQs section.
Terms & Conditions	Find the details of terms and conditions in the Terms & Conditions section.
Data Privacy Notice	Find details about how your information is used when you use this software.
Data privacy & Cookies	<p>Read about the data privacy policy and cookie notice in the DATA PRIVACY section.</p> <p>Change the cookie management settings in the COOKIES section. Click Set your preferences to change the settings.</p>
About	Find the product version and product reference in the About tab.

Top-Right Menu

The top-right menu bar provides quick access to key features:

- **Contact the support** : Click to get help or report issues.
- **GIVE YOUR OPINION** : Share feedback (availability may vary by country).
- **Language Drop-down:** Choose your preferred language from the drop-down list.
- **Login:** Access your account and projects. For more information, refer to the eDesign Login or Register, page 12 section.

Video Tips

You can view some helpful video tips in this section. For more videos, visit the Schneider Electric YouTube playlist.

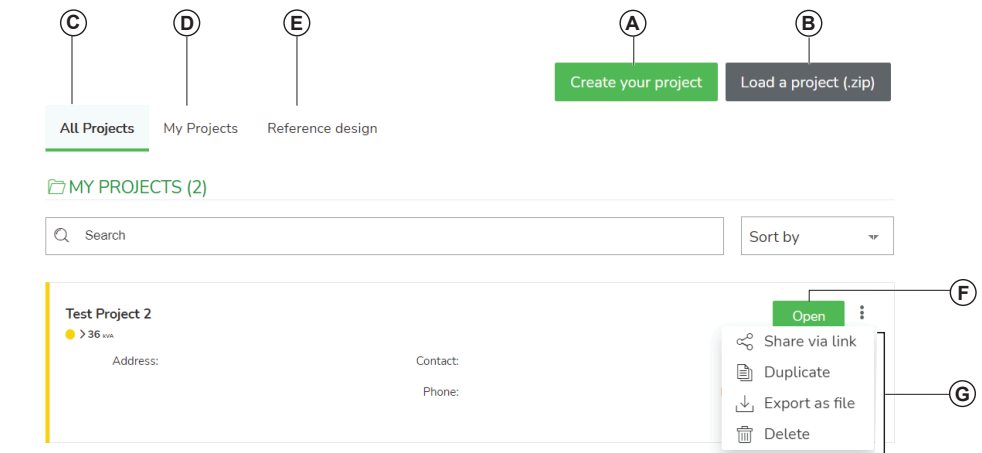
Newsfeed

You can **Join eDesign Community** to ask questions, get support, and share ideas for designing electrical panels in small buildings.

Manage the Projects

Once logged in, you can create or load a project from the home page:

Figure 4 - Manage the projects



- To create a new project, click **Create your project** (A). For more information, refer to [Create a Project](#), page 18.
- To load a previously saved project, do the following:
 1. Click **Load a project (.zip)** (B).
 2. Select the project file (.zip) from your system.
 3. Click **Open**. Now the project opens.

For existing projects, do the following:

- **My Projects** (C): Displays projects created by you.
- **Reference design** (D): Displays reference projects provided as pre-made. For more information, refer to [Reference Design](#), page 14.
- **All Projects** (E): Displays projects from both **My Projects** and **Reference design**.

To view existing projects, click **Open** (F).

You can do following (G) for existing projects:

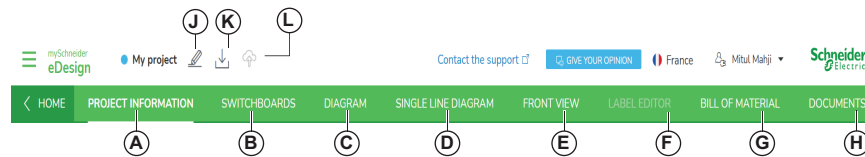
- To share the project, click **⋮** > **Share via link**. Select one of the following options:
 - **Copy link**: To share the project through a sharable link..
 - **Email link**: To share the link via email.
- To duplicate the project, click **⋮** > **Duplicate**. Update the project name and click **Confirm**.
- To export the project to your local device, click **⋮** > **Export as file**. The file is saved in your device in .zip format at your default download location.
- To delete the project click **⋮** > **Delete** and then click **Confirm**. The selected project is deleted.

Create a Project

To create a new project, click **Create your project**.

The following tabs will appear in sequence. Update the details in each tab to finish creating a new project.

Figure 5 - Create a project



Tab name	Function	Reference topic
PROJECT INFORMATION (A)	To update basic project information.	Project Information, page 19
SWITCHBOARDS (B)	To create and manage switchboards.	Switchboards, page 21
DIAGRAM (C)	To create diagram.	Create a New Diagram, page 25
SINGLE LINE DIAGRAM (D)	To generate and view the single line diagram.	Single Line Diagram, page 31
FRONT VIEW (E)	To select and manage enclosure.	Front View, page 33
LABEL EDITOR (F)	To generate label.	Label Editor, page 41
BILL OF MATERIAL (G)	To generate bill of material for the final products.	Bill of Material, page 43
DOCUMENTS (H)	To generate and upload documents related to the project	Documents, page 45

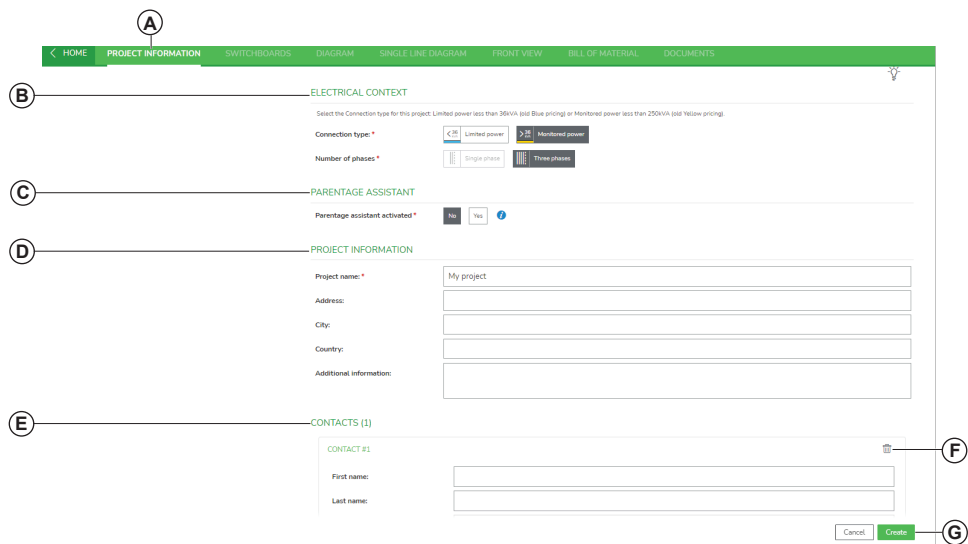
During your project creation, you can:

Icon	Function
(J)	To add notes in your project.
(K)	To download your project.
(L)	To save your project online.

Project Information

Update the basic project information under the **PROJECT INFORMATION (A)** tab. The **PROJECT INFORMATION (A)** tab has the following sections:

Figure 6 - Project information



Section	Description
ELECTRICAL CONTEXT (B) NOTE: Applicable only for France region.	Update the ELECTRICAL CONTEXT section with the following details: <ul style="list-style-type: none"> • Connection type: * Select Limited power less than 36 kVA (old Blue pricing) or Monitored power less than 250 kVA (old Yellow pricing). • Number of phases: * Select Single phase or Three phases. NOTE: Three phases is selected by default when you select Monitored power.
CASCADING ASSISTANT (C) NOTE: Applicable only for France region.	CASCADING ASSISTANT section will be added if you select Monitored power more than 36 kVA. <ul style="list-style-type: none"> • Cascading assistant activated: * Select No or Yes. If you select Yes, Cascading assistant window will open.
PROJECT INFORMATION (D)	Update the PROJECT INFORMATION section with the following details: <ul style="list-style-type: none"> • Project name: * Enter the project name. • Address: Enter the address details. • City: Enter the city name. • Country: Enter the country name. • Additional information: Enter additional information if any.
CONTACTS (E)	Update the CONTACTS section with the following details: <ul style="list-style-type: none"> • First name: Enter the first name. • Last name: Enter the last name. • Role: Enter your role. • Email: Enter the email address. • Phone: Enter the phone number. NOTE: <ul style="list-style-type: none"> • You can add more than one contact detail. To add a new contact, click Add a new contact. • In case, you want to delete any contact details, Click Delete (F).

NOTE: Fields marked with (*) are mandatory to fill.

Once all the fields are updated, click **Create (G)** to move to the **SWITCHBOARDS** tab.

Switchboards

You can create and manage switchboards for the project under the **SWITCHBOARDS** tab.

Create a New Switchboard

To create a switchboard, do the following:

Figure 7 - Create a new switchboard

Set up your switchboard characteristics

ELECTRICAL CHARACTERISTICS

You are invited to create a switchboard, then you'll be able to design it.

Switchboard name: *

Type of switchboard: *

Phase: * Single phase Three phases

The modification of the single-phase / three-phases characteristic will probably change the choice of products: we therefore recommend you to check the switchboard study.

Rated current - In [A]:

Short circuit current - Isc [kA]:

1. Click **Create a switchboard** under **List view**.
2. Update the following fields under the **ELECTRICAL CHARACTERISTICS (A)** section:
 - **Switchboard name: *** Enter a name for the switchboard.
 - **Type of switchboard: *** Select the type of the switchboard from the drop-down, either **Main Panel** or **Sub Panel**.
 - **Phase: *** Select the phase as **Single phase** or **Three phases**.

NOTE: When you select the type of switchboard as main panel, three phases will be selected as default phase.
 - **Rated current - In [A]:** Enter the rated current value.
 - **Short circuit current - Isc [kA]:** Enter the short circuit current value.

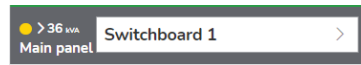
NOTE: According to NFC 14 – 100 standard calculation, the maximum short circuit value is 20 kA.

NOTE: Fields marked with (*) are mandatory to fill.
3. Click **Create (B)** to create a new switchboard.

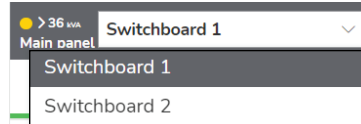
Switch between Multiple Panels

For projects that include multiple switchboard panels, you can switch from one panel to another by using the drop-down list. This function is available for the **DIAGRAM**, **SINGLE LINE DIAGRAM**, **FRONT VIEW**, and **LABEL EDITOR** tabs.

1. Find the panel information window at the top-left corner of the screen.



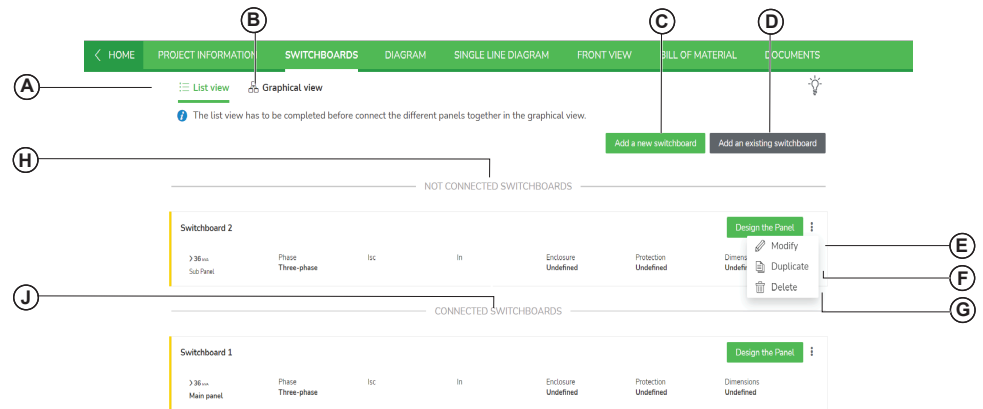
2. Click on the window and select the required panel from the drop-down.



List View

You can find a list of switchboards under **List view** ≡ (A).

Figure 8 - List view



Additionally, you can:

- Add a new switchboard (C).
- Add an existing switchboard (D).

You can perform the following actions for the existing switchboards, click ≡ icon:

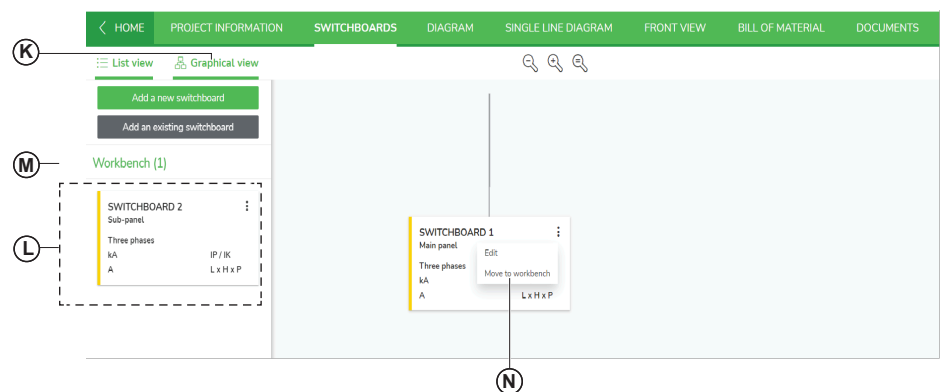
Icon and Action	Function
Modify (E)	To modify any previously entered electrical characteristics.
Duplicate (F)	To duplicate the switchboard with existing electrical characteristics.
Delete (G)	To delete the switchboard.

NOTE: When you create a new switchboard, you can find it under **NOT CONNECTED SWITCHBOARD** (H).



Graphical View

You can connect different switchboards together under **Graphical view** ≡ (B). Once you connect, they will be displayed under **CONNECTED SWITCHBOARD** (J).

Figure 9 - Graphical view



To connect:

1. Select **Graphical view**.
2. Find the Switchboard cards (L) under **Workbench** (M), Drag the cards to the area marked with the  icon and release to add them.
3. If you want to move the switchboard back to the **Workbench**, click  > **Move to workbench** (N).

NOTE: **Graphical view** will be activated only after you create a switchboard under **List view**.

Diagram

Use the **DIAGRAM** tab to create the electrical diagram of the panel.

Product Role Card

Product role cards are available on the left side of the **DIAGRAM** tab.

To build a diagram, you can drag them to the **+** icon and release them when they are added. For more information, refer to [Create a New Diagram](#), page 25.

The ranges that have the same position in the electrical diagram are listed under the same role card:

- **GROUP FEEDER**
- **OUTGOER**
- **RESIDUAL CURRENT CIRCUIT BREAKER**
- **LOAD CIRCUIT CONTROL**
- **SCHEDULING - MANAGEMENT**
- **ENERGY METER**
- **SWITCH DISCONNECTOR**
- **MISCELLANEOUS**
- **MEASUREMENT - SIGNALLING**
- **DOWNSTREAM MULTIPLE CIRCUITS**
- **TRANSFER SWITCH**
- **GENERATOR PROTECTION**

NOTE: Few additional role cards are available according to the country version.

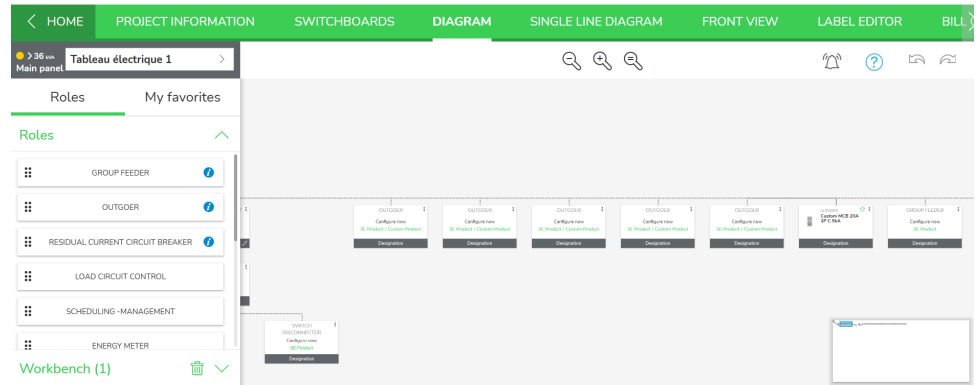
- **VOLTAGE RELAY**
 - Hungary
 - Portugal
 - Romania

For each role card placed in the diagram, you need to configure the role cards with products. To configure, click **Configure now** on the role card. For more information about **Configure now** tab. For more information, refer to [Configure the Product in the Role Card](#), page 27.

Create a New Diagram



To create a new diagram, do the following:

DIAGRAM



1. Click **Design the Panel** on the selected switchboard.
The **DIAGRAM** tab opens with a basic default diagram.
 2. To modify the diagram, add or remove the product role cards in the diagram. Role cards are available in the **Roles** section on the left side of the webpage. For more information, refer to [Product Role Card](#), page 25.
 - a. To add the product role cards in the diagram, drag them to the Add **+** icon (C) and release to add the diagram. Alternatively, you can use the **Favorites** and **Group Favorites** functions to effectively add the product role cards in the diagram. For more information, refer to [Create a Favorite Products](#), page 29 or [Create a Group of Favorites](#), page 30.
 - b. To duplicate the product role cards in the diagram, click **> Duplicate**, select number of copies and click **Validate**.
 - c. To remove the product role cards from the diagram, do one of the following options:
 - To add a role card to the **Workbench** section, click **> Move to workbench > Confirm**.
 - To delete a role card, click **> Delete > Confirm**.
- NOTE:**
- The **INCOMER (E)** role card is included in the default diagram and can not be removed. It can only be substituted with the **TRANSFER SWITCH (F)**.
 - The **INCOMER, TRANSFER SWITCH, and GENERATOR PROTECTION** role cards can not be duplicated.
3. Configure the role cards with products. To configure, click the **SE Product** on the role card. For more information, refer to [Configure the Product in the Role Card](#), page 27.

IMPORTANT:

 - The **Downstream multiple circuits** role card cannot be configured to add any product, as it is used downstream an outgoer role card to display the corresponding line in the single line diagram.
 - You can also add custom product to your configuration for specific role cards. For more information, see [Add Custom Products](#), page 28.
 4. You can do following editing action:
 - Click  to undo any operation.
 - Click  to redo any operation.

You can undo and redo up to 10 steps.

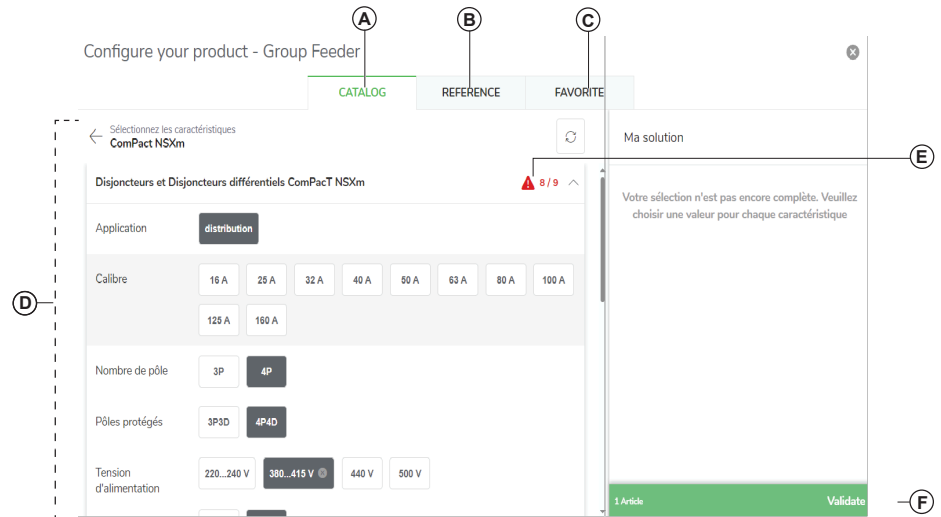
Configure the Product in the Role Card

You need to configure a suitable product for each role card placed in the diagram.


To configure the role cards, proceed as follows:

1. Click **Configure now** on the role card.
2. Select the product using any of the following tabs:


Figure 10 - Configure the product in the role card





- **CATALOG (A)**: This is the guided mode proposed through selectors.
 - **REFERENCE (B)**: Search for the product using the product reference.
 - **FAVORITE (C)**: Select the product from the previously marked favorites. For more information, refer to [Create a Favorite Products](#), page 29 or [Create a Group of Favorites](#), page 30.
3. Select the required set of characteristics from the selectors (D).

NOTE: The red color warning  (E) is shown until all the characteristics are selected correctly. It changes to green color validation once they are selected.

4. Click **Validate (F)**. Now the product is added to the role card.

NOTE: The **Validate** will be unavailable till the red color warning  is present.

Use following options to modify the product:

- To reconfigure the product with a new set of characteristics, click  > **Reconfigure**.
- To remove the product from the role card, click  > **Remove product**.

Add Custom Products

⚠ WARNING

HAZARD OF MISUSE OF CUSTOM PRODUCTS

Only qualified users must configure custom products based on their own technical assessment.

Follow all applicable safety regulations during configuration and installation.

Schneider Electric is not responsible for the selection, recommendation, or performance of custom products.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

You can use the custom product feature to select products that are not part of Schneider Electric’s standard catalog. This feature is available only for the following role cards during panel setup:

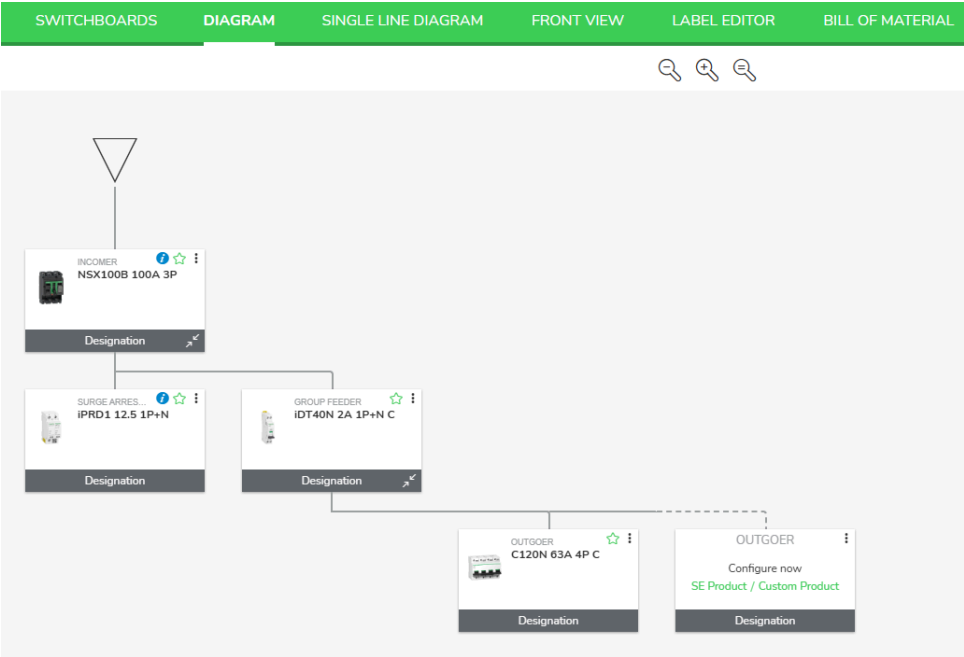
- **OUTGOER**
- **SCHEDULING MANAGEMENT**
- **LOAD CIRCUIT CONTROL**
- **MISCELLANEOUS**

These products are listed under the Miscellaneous section in the Bill of Materials (BOM). You can view the custom products in the following ways.

- Custom products appear without branding or markings.
- Each panel supports up to 10 custom modular products.
- No technical specifications or group list information are shown in **Bill of Materials (BOM)**.
- These products are listed under the **Miscellaneous** section in the **Bill of Materials (BOM)** tab.

Add Custom Products to Your Configuration

To add a custom product in eDesign, do the following:



1. In **All Projects** tab, **Open** the required project.
2. Click **Design Panel**. In **DIAGRAM** tab, drag the role card that supports custom product features.
3. Click **Custom Product**.
A pop-up window will appear for entering product details.
4. Select the required **Product Type** and enter **Product Features**.
5. Click **Validate**.

The custom product with the typed specifications is added and visible in the **DIAGRAM** tab. You can also click ☆ icon and add it to your **Favorite list** for quick access.

Navigate the Electrical Diagram

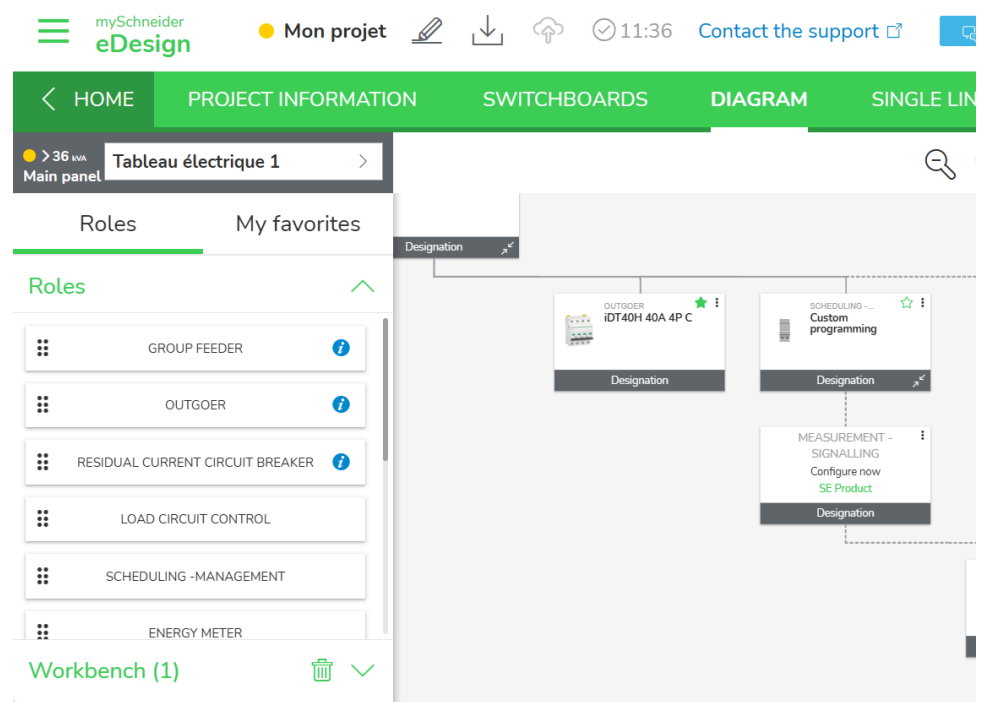
You can navigate in the diagram with the following options:

- Use the Move ↻ icon to move the screen in all directions.
- Use the mini map at the bottom-right to figure out which part of the electrical diagram is displayed.
- Handle and move the blue rectangle in the mini map to navigate through the electrical diagram.
- Use Zoom in 🔍, Zoom out 🔍 and Zoom 100% 🔍 icons to view the diagram effectively. Alternatively, scroll the mouse or touch-pad of the computer to zoom in and zoom out.

Create a Favorite Products

After configuring a product for a role card, you can mark it as a favorite for easy access in the future.

Figure 11 - Create a favorite products



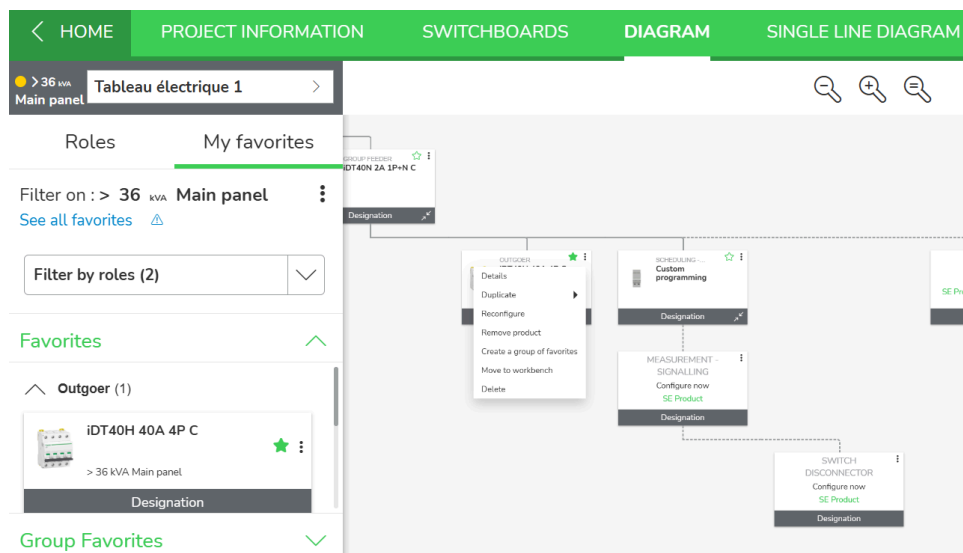
1. On the top-right of the product role card, click the **Star** ☆ (A).
The **Star** turns Green ★ (B) and the product is marked as favorite.
2. Drag it from the **Favorites** section and drop it onto the Add ⊕ icon on the electrical diagram and release when they are added.
3. Drag it from the **Favorites** section and drop it on the role card present in the diagram. The favorite product will be added to the role card.
4. To delete a favorite, click the Green star ★ on the role card, either in the **My favorites** section or in the electrical diagram. The star ☆ turns white and the product is removed from the **My favorites** list.

Create a Group of Favorites

When the upstream role card and its associated downstream role cards are configured with a product, you can create a group of favorites to use them for future diagram creation.

This function is particularly useful to define a group feeder type with downstream outgoers or to define a type of protection associated with a load circuit control or a scheduling-management card.

Figure 12 - Create a Group of Favorites



1. On the top-right of the upstream role card, click **⋮ > Create a group of favorites**
The upstream role card and its connected downstream role cards are saved and available under **Group Favorites** section.
2. To add a group of favorites to a diagram, drag it from the **Group Favorites** section and drop it onto the Add ⊕ icon on the electrical diagram and release when they are added.

The **Favorites** and **Group Favorites** products are filtered and displayed by switchboard type (main panel or sub panel). You can use them for other switchboard type under your responsibility. To find the complete list of favorites, click **See all favorites**.

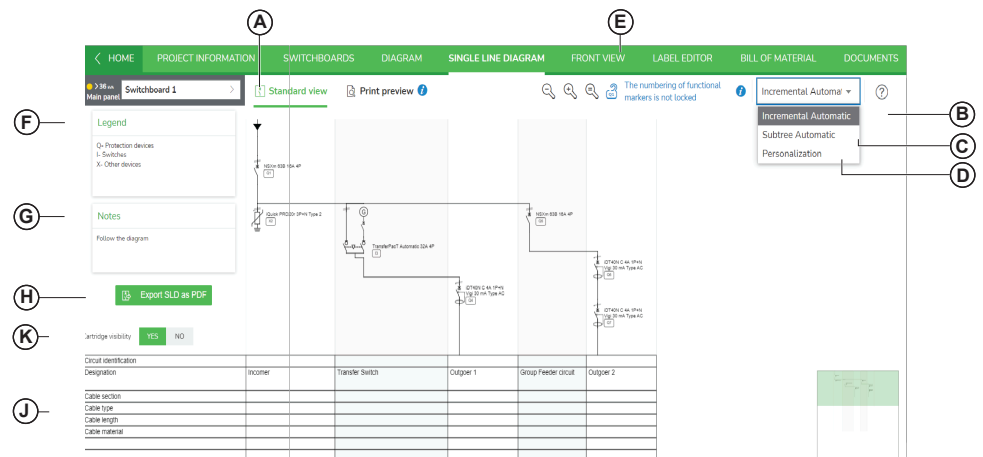
Single Line Diagram

Under the **SINGLE LINE DIAGRAM** tab, you can access and generate the electrical diagram in various formats. This section includes **Standard view** and **Print preview** sub-tabs.

Standard View

In **Standard view** (A), you can view the single line diagram with functional markers generated.

Figure 13 - Standard view



Functional markers are combination of a letter and number. The letters are generated as following:

Protection Device	Switch	Other Device
Q mark	I mark	X mark

Three numbering modes are available to view the diagram with functional markers:

- **Incremental Automatic** (B): The functional marker generated consists of a letter and a number. The number indicates the device's position in the diagram from left to right, and for devices in the downstream circuit, it indicates the position from top to bottom.

NOTE: At the top right of the screen, there is a lock icon (E) that freezes the numbering. This allows changes to the single line diagram without impacting existing functional markers. Any new markers added after locking will be numbered sequentially from the last number created before locking, regardless of their position. When unlocked, all marks are automatically renumbered based on this principle.

- **Subtree Automatic** (C): The functional marker generated consists of a letter and a series of numbers. The numbers correspond to its downstream position in relation to the incomer.
- **Personalization** (D): This mode allows you to update functional markers in the diagrams as needed. You can modify up to 10 characters in the text box provided for each device in the diagram.

NOTE: Switching the view mode for the single line diagram removes the functional markers created by the previous mode and replaces them based on the new mode.

Legend (F): This section displays the usage of letters in functional markers and the devices they correspond to. In the case of **Personalization** mode, you can modify it as per your usage.

Notes (G): In this section, you can write notes that appears in the final output.

Set **Vertical aligned text (H)** as **YES** to align the text vertically. This enables to print more pages in **Print preview** section.




NOTE: This feature is not available for Blue Tariff FR.

Click **Export SLD as PDF (J)** to generate a PDF for the single line diagram.

A **Circuit identification (K)** table is present below the single line diagram where you can update a set of characteristics related to each branch of the diagram. The first row displays the designation updated in the diagram tab for each device. You can set **Cartridge visibility (L)** to **NO** to hide the table.

Print Preview

Print preview enables you to visualize the number of printed pages related to the single line diagram. The number of pages can be optimized according to the number of columns and devices displayed per page and the level of readability requested.

Use the zoom in , zoom out , and fit to page  options to set up the number of pages.

To generate PDF output, do the following:

1. Click **Export SLD as PDF**.

NOTE: A warning message will appear if there is any empty role card in the diagram. Select **Yes** to delete the empty role card from SLD.

2. Enter details in **Version** and **Modification** fields, then click **Generate**.

The generated PDF includes the following:

- Cover page with company information, project details, and a table of electrical characteristics.
- Single line diagram.
- Footer on each page showing the project name, creation date, and page number

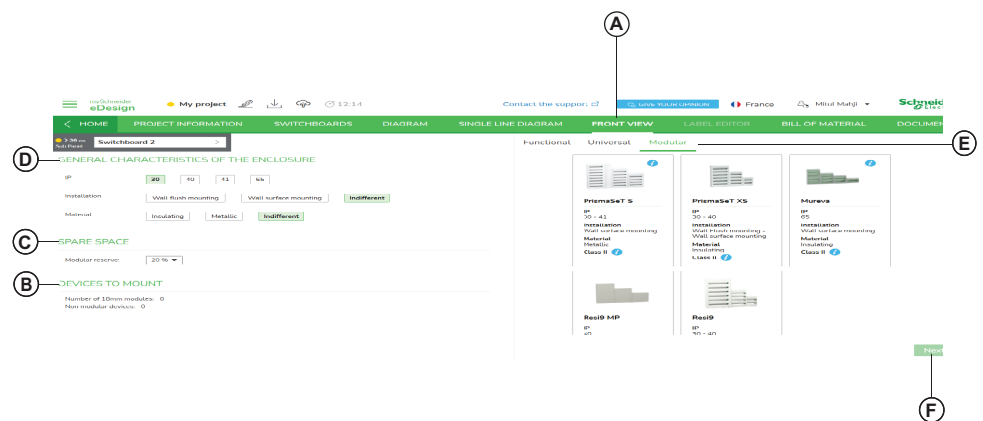
Front View

The **FRONT VIEW** tab allows you to select the relevant enclosure according to your criteria (modular reserve, IP, installation mode, etc.) by automatically taking into account the space required for the devices you have selected in the diagram. This also allows you to select and mount the different distribution devices in the enclosure.

Select the Enclosure

The **FRONT VIEW** (A) tab displays the compatible enclosure ranges based on the required space to mount the devices configured previously. You can find module information in the **DEVICES TO MOUNT** (B) section.

Figure 14 - Select the enclosure



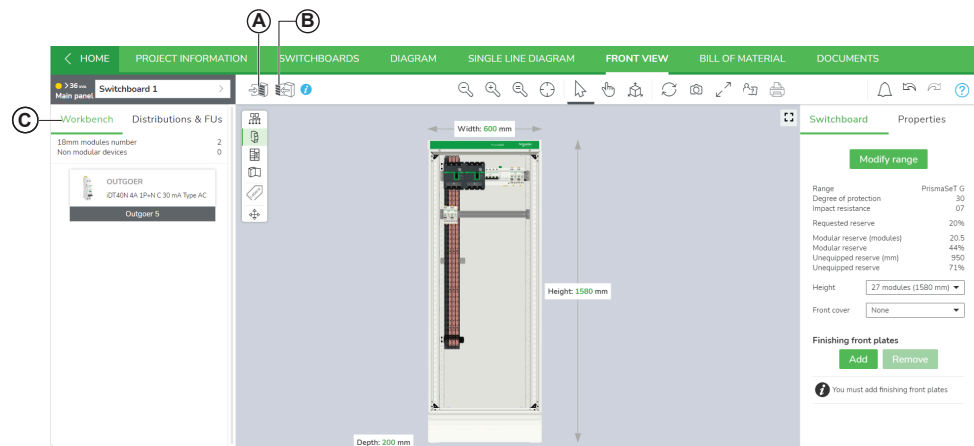
1. To refine your search, update the following sections:
 - **SPARE SPACE (C)**: Select the modular reserve as per your requirements.
 - **GENERAL CHARACTERISTICS OF THE ENCLOSURE(D)**: Select the general characteristics of the enclosure based on your requirements.
2. Select the enclosure from **Functional**, **Universal**, and **Modular** category (E) and click **Next** (F).

NOTE: You can only select enclosures which are compatible. Enclosure marked with an orange notification are not compatible with the type of modules to be mounted.
3. On the next page, select the detailed characteristics of the enclosure and click **Next**.

Mount the Devices in the Enclosure

To mount and unmount the devices in the enclosure, do the following:

Figure 15 - Mount the devices in the enclosure



- On the top-left of the webpage, click **Mount all**. All the devices from the **Workbench** (C) will be mounted in the enclosure with their corresponding DIN rail or mounting plate according to the device type. Now, reposition some devices or group of devices to the right place according to your needs.

NOTE:

- The mounting order of the devices is the same as the order in the workbench view.
- There will not be any row break between the group feeder and its downstream devices.
- If you choose Prisma Set G as the enclosure range, the **Mount all** function will automatically select the 600 mm width within this range.
- On the top-left of the webpage, click **Unmount all**. All the devices from enclosure will move to the **Workbench**.

Alternatively, to mount the devices, select one or multiple devices (press) from the **Workbench** and drag and drop them into the enclosure.

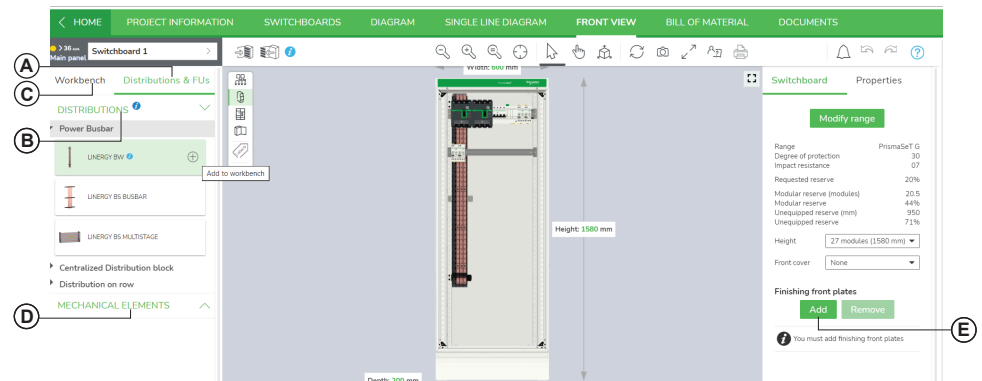
To unmount the devices from the enclosure, select one or multiple devices from the enclosure and drag and drop them to the **Workbench**.

Select and Mount the Distribution and Mechanical Elements

When you mount all the devices in the enclosure and rearrange them as needed, add distributions to complete the connections between the devices and provide power supply.

eDesign displays proposed types of distributions based on the type of enclosure chosen.

Figure 16 - Select and mount the distribution and mechanical elements



To add the distributions in the enclosure, do the following:

1. Click **Distributions & FUs** (A) > **DISTRIBUTIONS** (B)
2. Select the distributions from the proposed list and click Add (+).
3. A new window opens to configure the features. Click **Validate** to add the distributions in the **Workbench** (C).
4. Go to the **Workbench**, drag and drop the distributions into the enclosure. eDesign displays the proposed location with green marking.

Add the mechanical elements in the enclosure at the final phase after you have added all the required distributions.

To add the mechanical elements in the enclosure, do the following:

1. Click **Distributions & FUs** (A) > **MECHANICAL ELEMENTS** (D).
2. Select mechanical elements from the proposed list, drag and drop them into the enclosure. eDesign displays the proposed location with green marking.
3. Click **Add** (E) under **Finishing front plates** to complete the front panel.

Modify the Enclosure Features

To modify the enclosure features of the selected range, right-click within the enclosure. You will get following options (A) to modify the features:

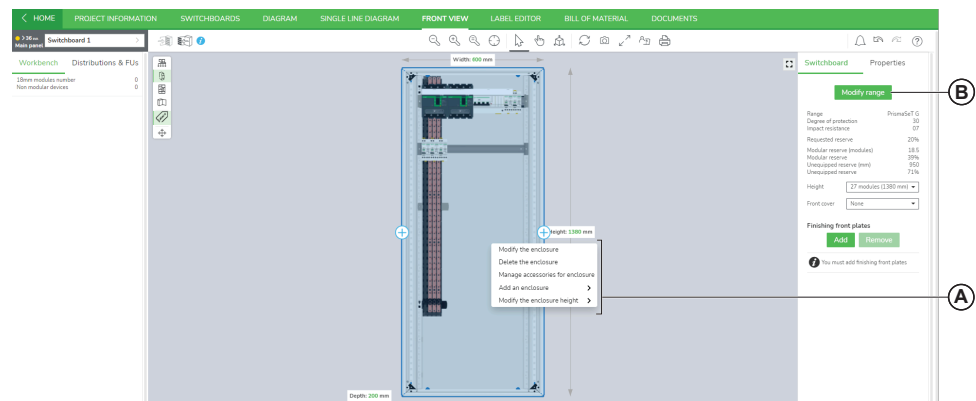
- Modify the enclosure
- Delete the enclosure
- Manage accessories for enclosure
- Add an enclosure
- Modify the enclosure height

To change the enclosure range, do the following:

1. Click **Modify range** (B) on the right side of the screen.
2. Select the new range from proposed enclosure list, select required characteristics and click **Next**.

NOTE: If you select a new enclosure range, you need to mount the devices from the **Workbench** again.

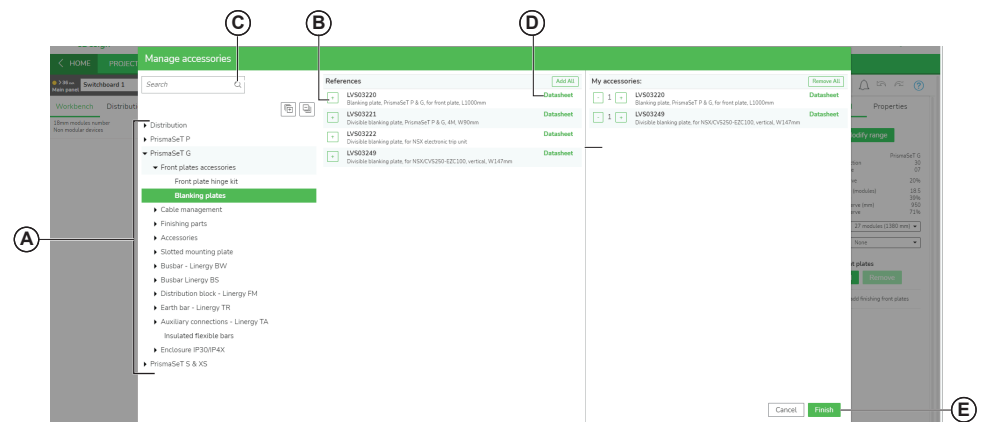
Figure 17 - Modify the enclosure features



Manage the Enclosure Accessories

You can add accessories to the enclosure from the **Front View** section.

Figure 18 - Manage the enclosure accessories



To add accessories to the enclosure, do the following:

1. Right-click within the enclosure and select **Manage accessories for enclosure**.
2. Browse the menu (A) to find suitable accessories for the enclosure. Click (B) to add the accessories.

Alternatively, you can search the reference from the **Search** (C) option.

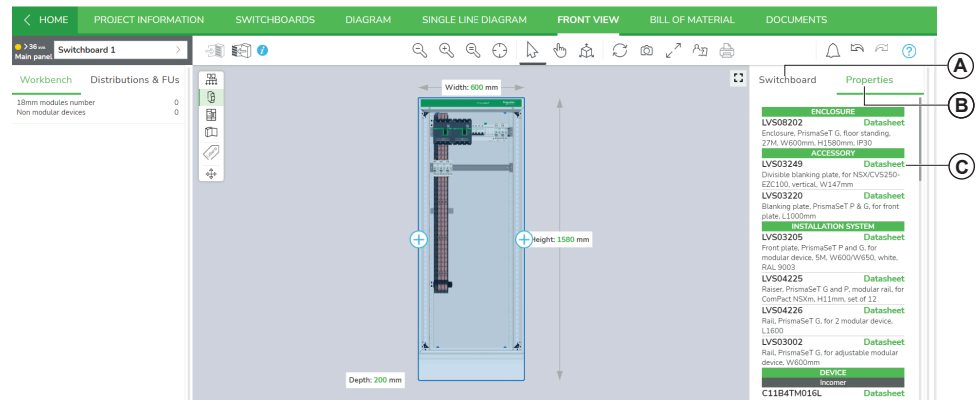
NOTE: To find the detailed characteristics of the accessories, click **Datasheet** (D) present next to the reference.

3. After adding all the accessories, click **Finish** (E) to add to the Bill of material.

Information on the Panel and Products in the Panel

Information about the panel is available under the **Switchboard** (A) section on the right side of the screen. The following information is displayed:

Figure 19 - Information on the panel and products in the panel



- Enclosure characteristics
- Available space in the panel
- Enclosure height
- Front cover details

To find the product descriptions under the **Properties** (B) section, select either the entire enclosure, a device or a group of devices. Product descriptions are grouped into the following categories:

- Enclosure
- Device
- Accessory
- Installation system
- Distribution













Click **Datasheet** (C) from the respective product to find the product data.

In hover mode, the designation of the devices defined in the diagram appears.

When you select any device inside the panel, it is marked with a blue frame, and the corresponding upstream device is marked with a purple frame. This upstream and downstream identification also applies to the devices present in the workbench.

Toolbars Available in Front View

The **FRONT VIEW** tab has following toolbars:

Horizontal toolbar	
Symbol	Function
	To zoom out the product on the screen.
	To zoom in the product on the screen.
	To fit the product on the screen.
	To get a focused view of the part selected in the Build mode .
	To rearrange the devices inside the panel according to your needs. You can use this mode after using the Mount all function.
	To move the enclosure across the screen.
	To view the enclosure in a three-dimensional space. This mode is helpful for viewing upstream and downstream device connections.
	To refresh the screen
	To download the screen as an image.
	To open a fullscreen window.
	To open the legend window.
	To print the stickers for the devices mounted in the enclosure, each with its label.







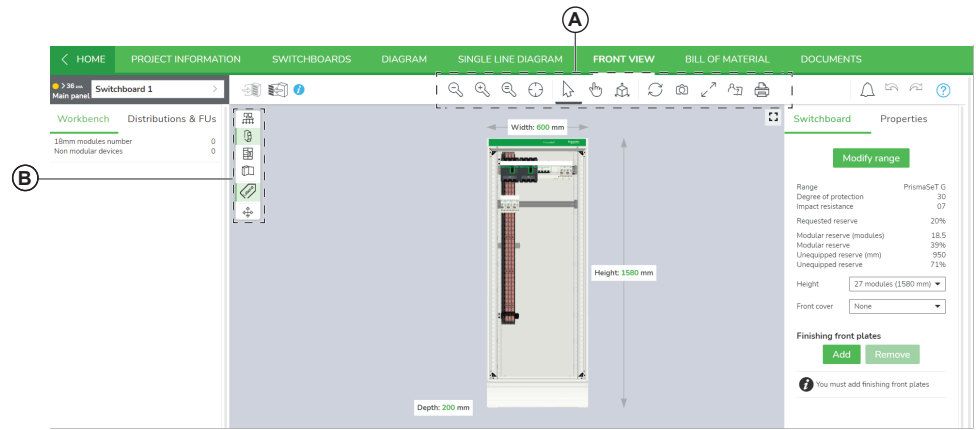
Vertical floating toolbar	
Symbol	Function
	To view the enclosure with only busbars installed.
	To view the enclosure with devices installed.
	To view the enclosure with the front plates installed.
	To view the enclosure with the doors installed.
	To view the enclosure with the labels displayed for the devices.
	To move the floating toolbar across the screen.

Figure 20 - Toolbars available in front view



Label Editor

Each device mounted on a DIN rail has a dedicated label. The symbol used for the single line diagram (functional marker) is by default displayed for each label. If a designation for the concerned device has been created at the electrical diagram step, it's also displayed. You can also add a pictogram from the library. All the labels of the panel can be visualized in the preview with the indication of the concerned row under a PDF format.

This label can be then printed in various sizes and pasted on the front plate.

Modify or Edit Designation

To modify or edit designation for the devices, do the following:

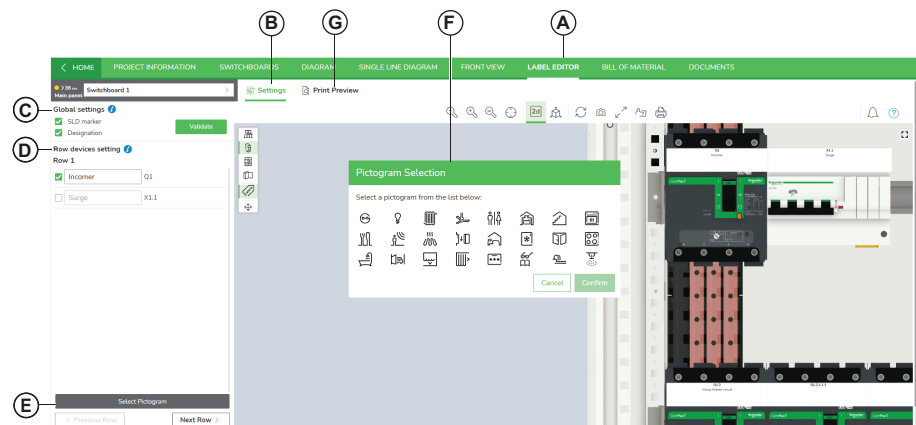
1. In **Setting** tab (B), select **SLD marker** and **Designation** from the **Global settings** (C).
2. To display the already existing designation and SLD marker, click **Validate**.
3. To modify or edit the designation, navigate to the required row under **Row devices setting** (D), select the devices from the respective row.

NOTE: If you add or edit designation from **LABEL EDITOR** tab, it will not modify the initial designation created in the **DIAGRAM** tab.

Assign a Pictogram

To add pictogram for the devices, do the following:

Figure 21 - Label Editor



1. Click **Select Pictogram** (E).
2. In **Pictogram Selection** box (F), select the required icon, and click **Confirm**.

NOTE: You can select multiple devices from **Row devices setting** and assign the same pictogram to all of them at once.

3. To print labels for the devices, click **Print Preview** tab (G).
4. In **Print Setting** (H) section do the following:
 - Select the type of print
 - Select the page type
 - Select the page size



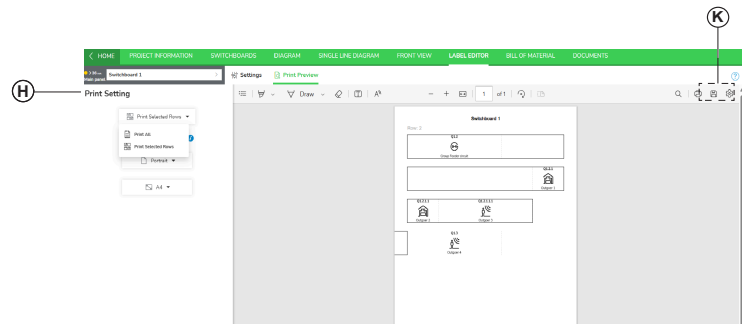
5. To print and save the labels from your computer, click on print  or save  icons (K) section or you can print from the **DOCUMENT** tab.

Figure 22 - Print Preview



Bill of Material

BILL OF MATERIAL (A) displays the list of products used in the project along with their quantities and the prices for the concerned panel (main panel, sub-panel or all of them).

It displays the unit price of the products and the discounted price, based on the discount applied for a product family code (according to the country version).

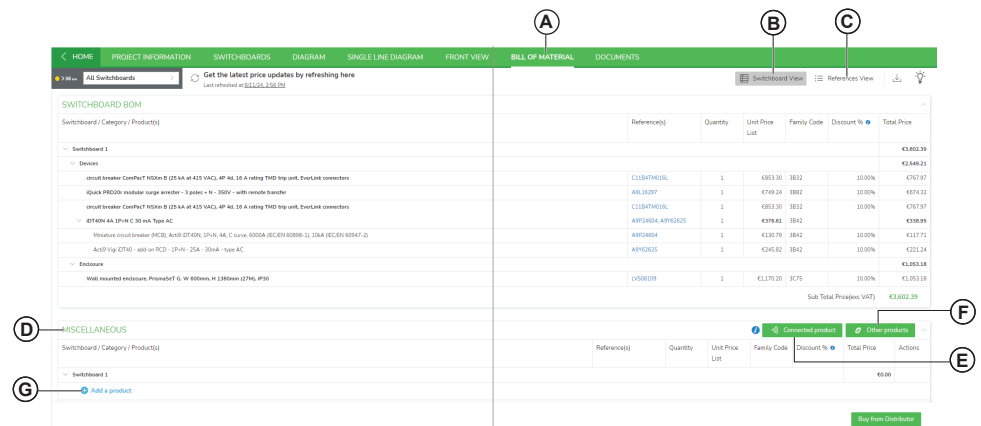
If the negotiated discount from the distributor template is available in your country version, you can avail the discounted price when you upload the new discount list under **My Profile > MY FAMILY DISCOUNT** section.

You can view the bill of material with following options:

- **Switchboard View (B)**: Product references are grouped by product category.
- **References View (C)**: All the product references for the particular project are displayed.

To complete the template, do the following:

Figure 23 - Bill of material



1. Click **Download the template**. Template form will be downloaded to your system.
2. Update and save it on your system.
3. Click **Upload the completed file here** to upload the updated template.
4. Once the upload is complete, click the **(Refresh)** icon to get the latest price and discounts.

To add miscellaneous products to the project, go to the **MISCELLANEOUS (D)** section and do the following:

1. Click **Connected product (E)**, to add any Schneider Electric connected product.

NOTE: Connected products will be highlighted with a wireless pictogram in the list.

2. Click **Other products (F)**, to add any other Schneider Electric product.
3. Click **Add a product (G)**, to add any products from other supplier. You can enter product details manually in the list.

Click **Buy from Distributor** and select the distributor from the list to buy the products listed on the bill of materials.

NOTE:

- This feature is available according to the country version.
- This will redirect the user to the external website of the distributor.
- Any changes made in the quantities and products included in the bill of material in the distributor website will not effect the bill of material generated in the eDesign.

Order Products with eDesign

IMPORTANT:

- This feature is available only in France.
- Use this feature only to order Schneider Electric products.
- You cannot order custom products using the **Add to Cart mySchneider** or **Buy from Distributor** options.

Before you begin:

- Ensure you are logged into your account on [Schneider Electric website](#).
- Confirm that you have access to order services.

Switchboard / Category / Product(s)	Reference(s)	Quantity	Unit Price List	Family Code	Discount %	Total Price
Tableau electrique 1						€4,508.53
Devices						€2,472.28
NSX100B 100A 3P	C10B3 C103MA007	1	€741.29	3C42		€741.29
Modular surge arrester, Act89 PPS1 12.5k, 1 P + N, 350 V, with remote transfer1	AR.162E2	1	€668.45	3B82		€668.45
IDT 40N 2A 1P+N C	AP24602, ASA26948	1	€289.46	3B42, 3C12		€289.46
Miniature circuit breaker (MCB), Act89 C120N, 4P, 63A, C curv., 10000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)	AN118371	1	€738.08	3C12		€738.08
Enclosure						€1,339.13
PhosmaS4 T 0 - Coffret - L800 - IP30 - 27M - RAL9003	LV508109	1	€1,219.13	3C75		€1,219.13
Energy BW - Jeu de bornes isolées - 100 A 3P - L=3000 mm (PhosmaS4)	LV504111	1	€120.00	3077		€120.00

Switchboard / Category / Product(s)	Reference(s)	Quantity	Unit Price List	Family Code	Discount %	Total Price	Actions
							Add to cart myschneider Buy from Distributor

Once you design the switchboard, to start the ordering process, do the following:

1. Navigate to the **Bill of Material** tab.
2. Review and validate all products included in your switchboard design.
3. To add the selected products to your cart, click **Add to cart myschneider** .
This action opens the **Cart** page on the [Schneider Electric website](#), showing all items from the **Bill of Material**.
4. In the **Cart**, fill in the following required fields:
 - a. **PO number**
 - b. **Shipping details**
5. To know the overall price, click **Estimate**.
6. To place the order, click **Submit Order**.

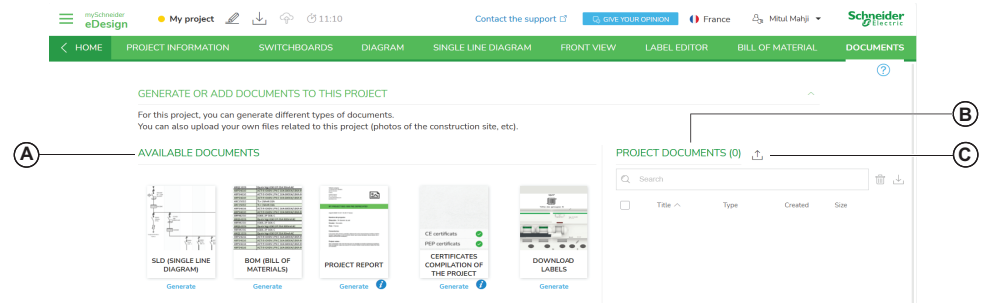
Result:

- All products listed in your **Bill of Material** are included in the order.
- Proceed with payment to complete the transaction.

Documents

From the **DOCUMENTS** tab, you can generate or add different types of project documents.

Figure 24 - Documents



To generate the following, refer to the **AVAILABLE DOCUMENTS (A)** section:

- Single line diagram
- Bill of materials
- Project report
- CE and PEP certificates compilation of the different devices of the panel under a zip format. An intermediary view allows to get the availability of the different certificates according to the products before downloading the compilation.
- Generate labels

You can upload documents under the **PROJECT DOCUMENTS (B)** section. Click **Add files**  (C) and upload documents from your computer.

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As standards, specifications, and design change from time to time, please ask for confirmation of the information given in this publication.

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