

# CAT

# User manual



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# 1. Introduction

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## 1.1. General information

CAT is a fast, easy-to-use software tool for preparing estimates and orders. It is intended for control gear technicians, installers and all those who wish to create estimates for ABB SACE products.

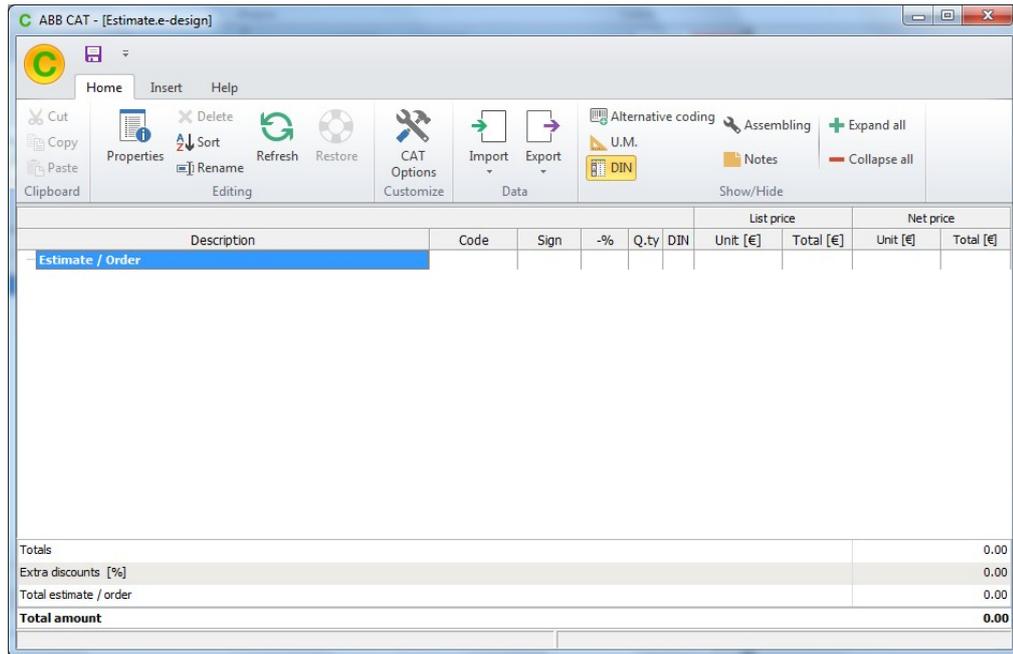
CAT's working environment consists of the elements displayed on the screen, i.e., the "basket" area, Quick Access Toolbar (button "C") for managing files and options and Ribbon, divided in three Tabs: "Home", "Insert", "Help", with their own commands and options.

Ribbon can be reversed with Quick Access Toolbar (this latter can also be hidden from the main window). All the elements that form these two menus can be edited with the button on the right of the save button.

CAT's main window is used to insert all the components chosen by the user in a tree structure with different levels, which can be edited with the Cut, Copy, Paste and Drag&Drop commands.

The graphic appearance of CAT changes, depending on the resolution of the screen and graphic board in the personal computer.

The next image shows the entire working environment of CAT.



## 1.2. How to launch CAT

- Launch the e-Design application, the icon of which will be displayed after installation;
- Click on the CAT icon.



### e-Design

e-Design allows you to run all the software applications distributed by ABB SACE. It also provides the following functions:

- Automatic program update via the Internet;
- Direct link to ABB SACE's website;
- Automatic generation of emails addressed to our technical service;
- Management of user registration for access to technical services and automatic program updates.

## 2. Menu commands

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A brief description of the CAT management menus is given below.

### 2.1. Quick Access Toolbar

Click on button “C” to call up the Quick Access Toolbar, which includes the following commands:

**New...>** Creates a new empty file

**Open >**Opens a previously saved project file (\*.e-Design extension)

**Save >**Saves the current project (\*.e-Design extension)

**Save as...>** Saves the project with a different name from the current one

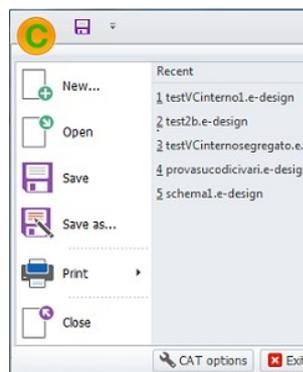
**Close >**Closes current project

**Print...>**Prints reports, on either paper or in the electronic format (e.g., \*.txt and \*.pdf)

Besides this menu, there are two buttons on the bottom left with the following functionalities:

**CAT Options >**Opens the program options window

**Exit >** Closes the program



### 2.2. Ribbon

Ribbon offers different sections for project management, each containing different functionalities, as described in the next chapters:

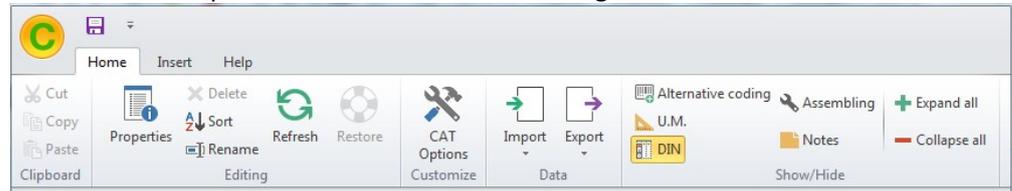
**Home >** Allows you to access the functions in the following classes: Clipboard, Editing, Customize, Import/Export, Show/Hide

**Insert >** Allows you to access the functions in the following classes: Components, Other Elements, DOC

**Help >** Allows you to access the functions in the Help class

## 2.3. Home

The “Home” tab provides users with the following functionalities:



**Clipboard**> Allows you to edit node positions with the Cut, Copy and Paste commands.

**Editing**> Allows you to manage nodes and groups of nodes by setting their properties. Nodes can be deleted, set in order according to tree groups (or levels) or modified as to their description. The Refresh command makes the changes to the tree structure if this does not occur automatically.

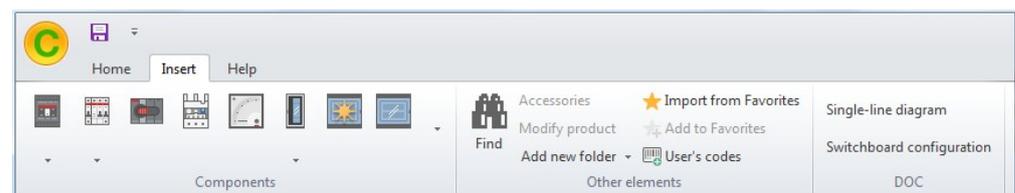
**Customize**> Opens the window for editing CAT’s default settings and the data concerning customers and users, discount profiles, price lists, memorized rates of exchange, the presence of user’s codes and references to loaded plant.

**Data** > Allows you to import files in the MS Excel format into CAT and to export CAT files in the MS Excel, FastOrder, FastOrder LVC and ABB formats. This latter divides into formats for “budgetary technical-commercial offer reports” and tables in the Excel format for Merlino files.

**Show/Hide**> Displays or conceals the project nodes and their characteristics: product codification, assembling price, U.M. (unit of measurement), DIN ( ) and notes. The Collapse All and Expand All commands have same functionalities but with respect to the nodes and not their characteristics. Consequently, the tree that contains them will be collapsed down to the highest level element or entirely displayed, respectively.

## 2.4. Insert

The “Insert” tab allows you to add the required components to the tree diagram. These components will be catalogued, either according to their characteristics, to the search set by the user or with respect to documents in the DOC program. These three insertion modes are categorized in the three groups of functionalities:



**Components** > Allows you to choose one or more nodes by opening the windows that categorize the different components, described by means of their characteristics. Each category has various different subgroups and a search engine where components can be found, and thus added, according to their univocal 1SDAO code, description or part of it.

**Other Elements** > This class includes the “Find” functionality, which allows a node to be added by means of the search window; the “Accessories” functionality, allowing you to link the node to the accessories available for its element; the “Add new folder” functionality, that adds a node of the “switchboard” type, and a “generic” node (nodes that do not describe a component, but allow components to be grouped inside them). Lastly, Favorites are managed by means of three commands: “Import from Favorites”, “Add to Favorites” and “User’s codes”. The nodes or a group of nodes (or folder) can be memorized as favorites with “Add to Favorites” and can be called up with “Import from Favorites”. The user’s archive recalls a window listing these saved elements.

**DOC** > Allows you to link components in folders of the switchboard type to single-line diagrams created in DOC, and to also configure the descriptive characteristics of DOC for their transfer to the application.

## 2.5. Help

The “Help” Tab has three functionalities: “Help”, “Disclosures” and “About ABB CAT”, which recall the CAT Help document, the window with recommendations about the product and information about the application.



### CAUTION

Adding a new node, whether it is a device or a generic node, is allowed in all nodes except the component ones. For this reason, the functionalities that allow you to add/modify nodes are disabled when you are on a level with a component.

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### CAUTION

The “generic folder” and “switchboard folder” functions are different in the way the components they contain are managed: a generic node cannot be imported by DOC, while this function is available for switchboard folders.

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### “Drag & Drop” function

The “Cut” and “Paste” functions can be used as an alternative to the “Drag & Drop” function, which allows a node of the project to be dragged from one part of the tree structure to the other.





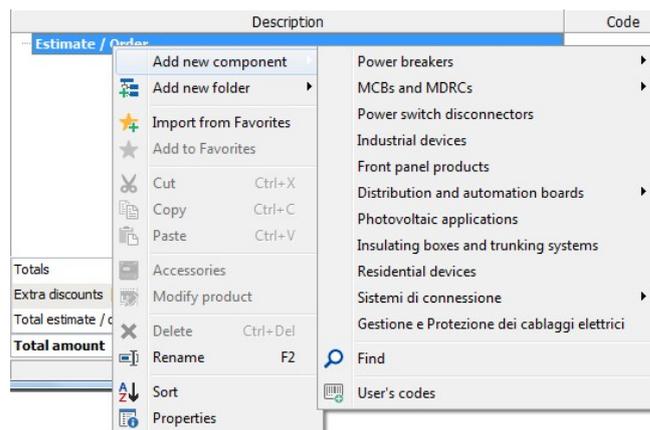
## Adding components to a new project

When CAT is launched user must enter the general data of the new project:

The data that can be selected from among those already in CAT are: Legal name (of the customer), Discount Profile, Price List, Currency, Assembling estimate and Product coding. To change these data at a later date, recall this interface from Home – Editing - Properties, make the changes, then update the document with Home – Editing - Refresh.

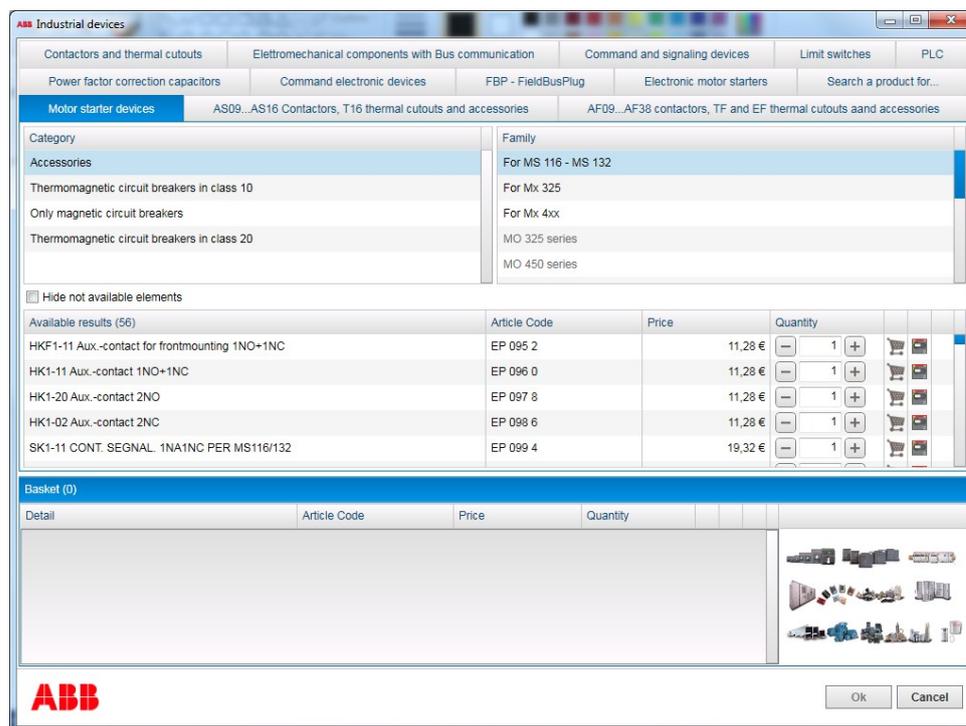
The main window of CAT will now appear, with just the “Estimate/Order” root to indicate the tree that will be created.

Use the Insert tab or click on “Estimate/Order” with the right button of the mouse if you want to add a new component to the diagram.



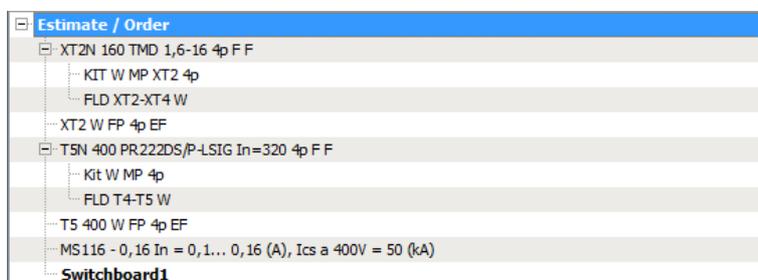
For example, if you choose the “Industrial devices” group, the following interface will be displayed with a description of the characteristics of the objects in the group

and the results filtered depending on the characteristics themselves.



After you have chosen the required number of elements of the selected type with the + and – buttons, confirm your choices with the “Add” command. The components will have now been added to the basket (the description can be seen in the Detail column), visible by means of the “Basket (n)” tab, where the number of elements selected “n” and the accessories (if present) selected with the button of the same name are indicated. Press ok, and the new component will be displayed with the others in the tree diagram. The next figure shows that four components have been added, two of which of the same type (as shown in the Quantity column), and a group of elements indicated by the Switchboard1 node. The second figure displays the data concerning the inserted elements.

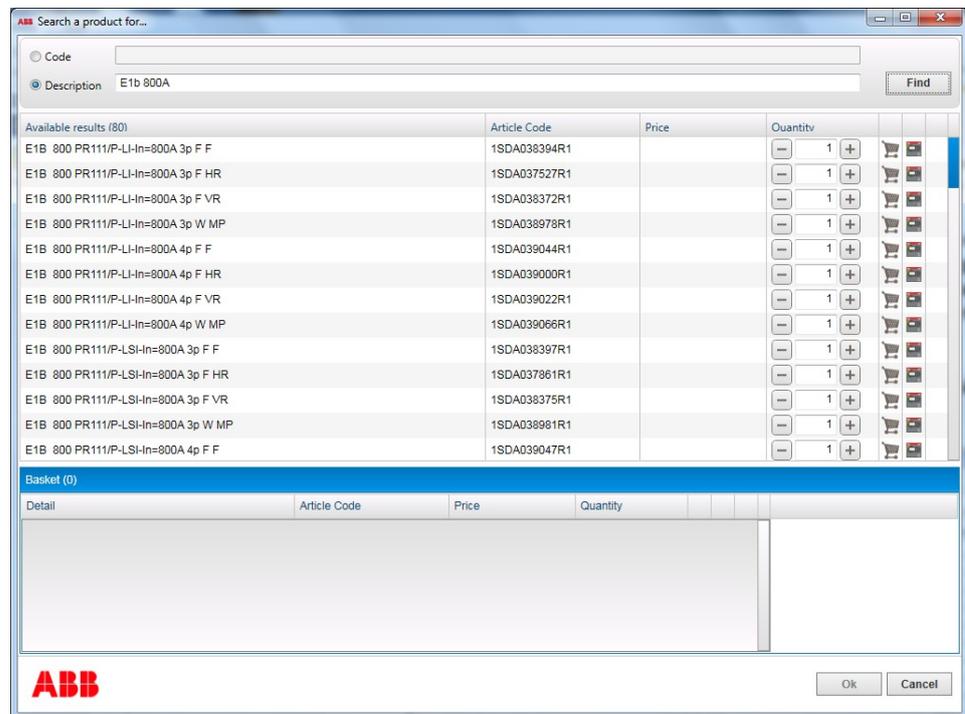
To create a group, either the generic or switchboard type, you can use the right button of the mouse to select the required type from the “New folder” item or use Insert – Other elements – Switchboard



Description	Code	Sign	Q.ty	DIN	Unit [€]	Total [€]
<b>Estimate / Order</b>						
XT2N 160 TMD 1,6-16 4p F F	XT2N1-6TMD4		1	24	545,41	545,41
KIT W MP XT2 4p	1SDA066285R1		1		124,72	124,72
FLD XT2-XT4 W	1SDA066636R1		1		71,30	71,30
XT2 W FP 4p EF	1SDA068203R1		1		467,55	467,55
T5N 400 PR222DS/P-LSIG In=320 4p F F	1SDA054330R1		1	36	3.478,48	3.478,48
Kit W MP 4p	1SDA054846R1		1		281,18	281,18
FLD T4-T5 W	1SDA054945R1		1		71,30	71,30
T5 400 W FP 4p EF	1SDA054758R1		1		892,48	892,48
MS116 - 0,16 In = 0,1... 0,16 (A), Ics a 400V = 50 (kA)	EP 081 2		2		63,99	127,98

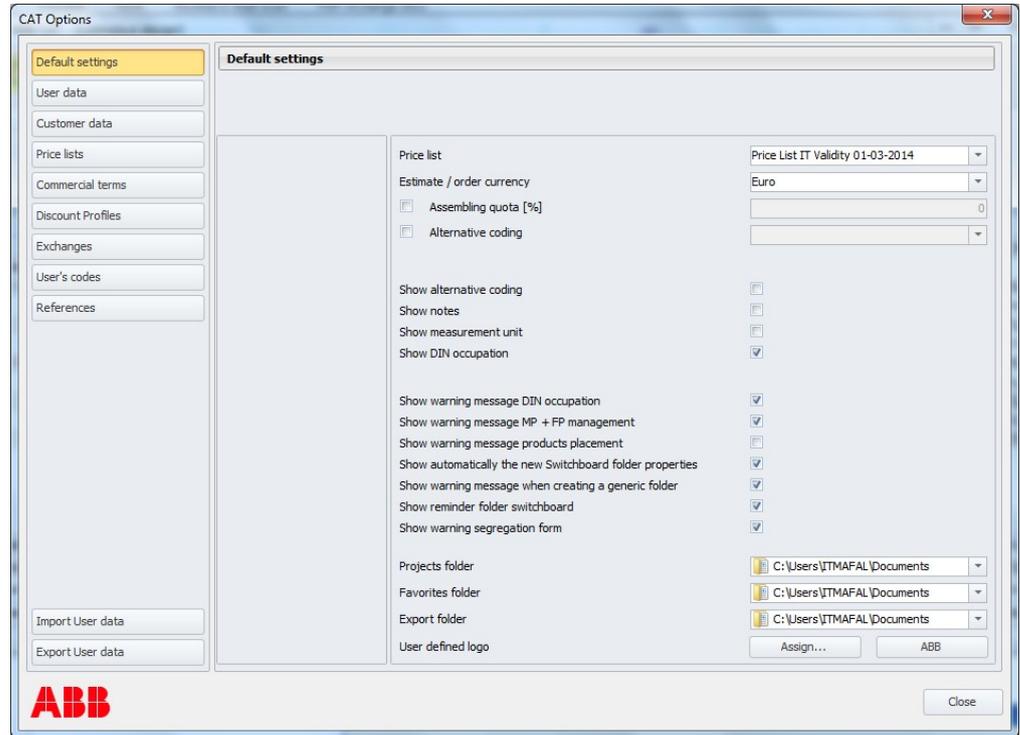
You can go to the single element and use the right button of the mouse to display its properties. The names of the group or project can be changed by the same method (you can also edit the characteristics). If you forget to update with Home – Editing – Refresh, the new information will be updated automatically.

Another way to add a component is by using the Find functionality. If you know the Code or Description (even only part of it) you can find the elements you require by means of this interface:



### 3. CAT options

The customizing form is a tool that allows you to configure the program to suit your needs. It can be accessed from the Quick Access Toolbar or from the “Customize” functionality in the “Home” tab.



### 3.1. Default settings

The “Default settings” interface allows you to edit the CAT general data. You can enter the default properties inherited by every project as it is created, i.e.:

- Price list;
- Currency;
- Assembling estimate and its display;
- Alternative coding (e.g. barcode) and its display;
- Display of notes fields, unit of measurement, DIN occupation, warning messages for DIN occupation and MP+FP management;
- Folder in which projects, favorites and exports are saved.

### 3.2. User Data

The “User Data” interface allows you to edit the data regarding the CAT user, i.e. Legal name, Name, Address, Zip Code, City, Province, Country, VAT number, E-mail, Office, Home, Fax, Mobile and Notes

### 3.3. Customer Data

The “Customer Data” interface is used for adding, deleting and editing customer data, i.e. Legal name (element under which all available customers are catalogued), Name, Office, Address, Zip Code, City, Province, Country, VAT number, E-mail, Office, Home, Fax, Mobile, Notes and Discount profile.



#### Discounts and mark-up

You can enter discounts and mark-up values separately for each customer. The exact values can be displayed in the current offer by simply selecting the customer in the properties window Home - Editing - Properties).

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### 3.4. Discount Profiles

Using the “Discount Profiles” interface, you can add, delete and edit new profiles, characterized according to the manufacturer and the family to which they refer. Each profile has three discount percentages and one mark-up percentage, which can be selected in relation to the specific offer.

### 3.5. Price lists

The "Price Lists" interface allows you to add, delete and edit customized price lists. The software allows you to create specific price lists from ABB's official ones, saved in an Excel document, or from other lists created previously. The price lists can also be exported in Excel files. For further details, consult the specific help facility, which can be accessed by means of the relative button in the interface.



#### Price list import/export

Customized price lists can be created and edited using the MS Excel program. To avoid problems when importing a file, you are advised to only use files previously exported from CAT.

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### 3.6. Exchanges

The "Exchange" interface can be used to create corresponding exchange rates and specifications for the currencies used.

Currencies can be selected from a list and feature these data: Description (element under which all available currencies are catalogued), Currency Code, Number of decimals, Symbol, Exchange .

### 3.7. User's codes

The "User's codes" interface allows you to create a customized product database. The products entered must have the same types of data item as CAT. They are catalogued in relation to their Manufacturer and can be imported from Excel. The list of products created can always be exported in Excel.



#### Import/export of user's codes

You can change your products database using the MS Excel program. To avoid problems when importing a file, you are advised to only use files previously exported from CAT.

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### 3.8. References

The "References" interface allows you to create, edit or delete accessory data in the offer.

The data in this interface are System, Customer, Buyer, Year and Description.



## 4. End User License Agreement

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The End User License Agreement (EULA) is available online at [this location](http://search.abb.com/library/Download.aspx?DocumentID=9AKK106103A2575&LanguageCode=en&DocumentPartId=&Action=Launch).  
(<http://search.abb.com/library/Download.aspx?DocumentID=9AKK106103A2575&LanguageCode=en&DocumentPartId=&Action=Launch>).