
1ZSC000717-ADA EN, REV. A

Web COMPAS

User manual

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1. Introduction

1.1 General

Web COMPAS is a web based tool which enables the user to search and provide information of Transformers Components standard products. The user can select and compare various products and see each characteristics of the products.

ABB COMPAS External user en-US

Product selector Product portfolio Contact and data privacy

OLTC Bushings

Quick search Guided search

Design type
On-tank

Number of positions

Phase step voltage (V)

Maximum through-current (A)

Switching type
Coarse/Fine

BIL of OLTC (kV)

Connection type
Three-phase delta

Impulse test voltage across regulating winding, a2 (kV)

Clear all Search

Welcome to Compas!
Compas is a web-based tool intended for a quick and easy access to information regarding ABB portfolio of Tap-Changers and Bushings. Compas will help you getting the information you need, with minimum effort.

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Figure 1: Homepage

1.2 Section overview

Web COMPAS is built on different sections, each with specific service to the user. Web COMPAS sections are Product selector, Product portfolio and Contact and data privacy.

ABB COMPAS External user en-US

Product selector Product portfolio Contact and data privacy

Figure 2: Section overview

1.3 Product selector

Product selector allows the user to search and select available standard product from ABB Components product portfolio. Under Product selector the user can compare products and collect standard information and documentation of each product. The product selector contains data for OLTC and Bushings. With the product selector the user can search on a specific product or filter the list of products with help of some basic data input.

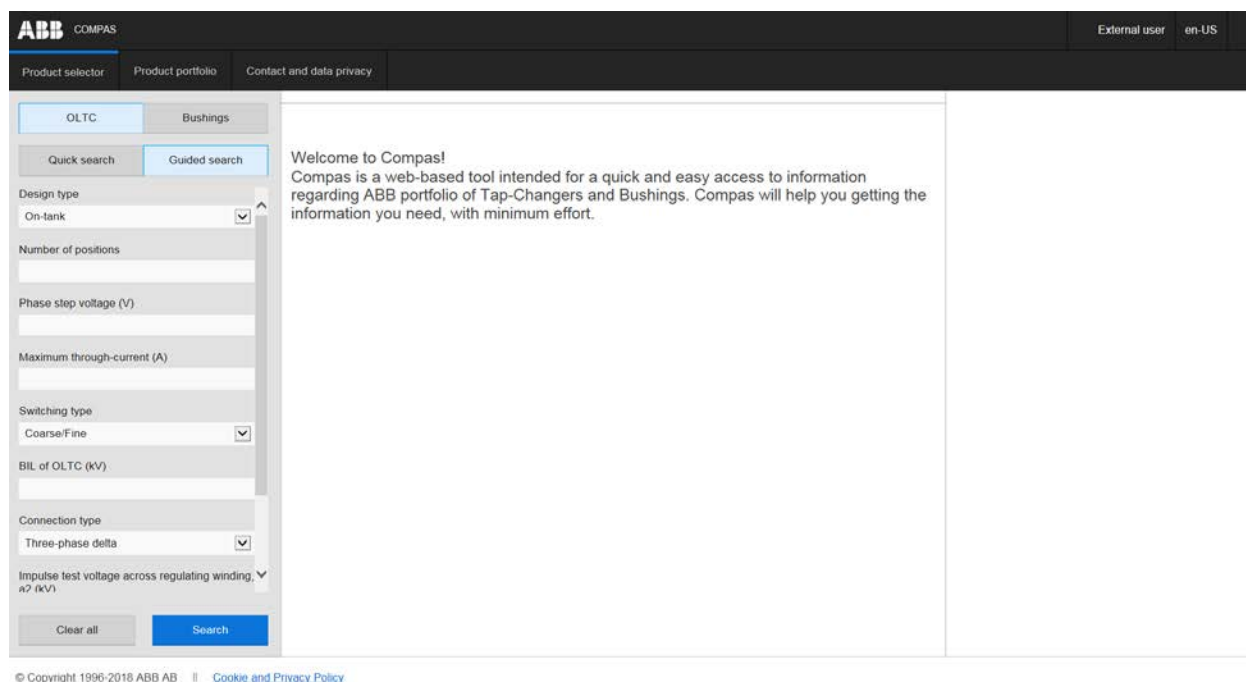


Figure 3: Product selector OLTC

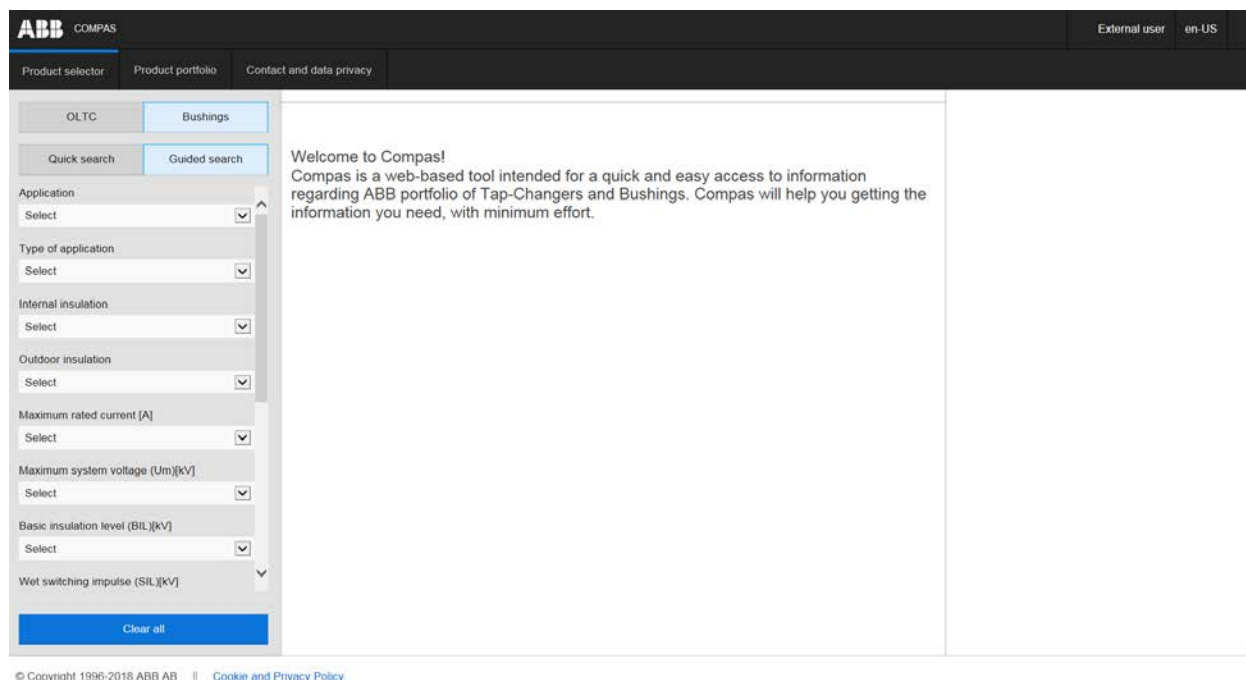


Figure 4: Product selector Bushings

1.3 Product portfolio

Product portfolio is a direct link to Transformer insulation and components, ABB Components product portfolio homepage.

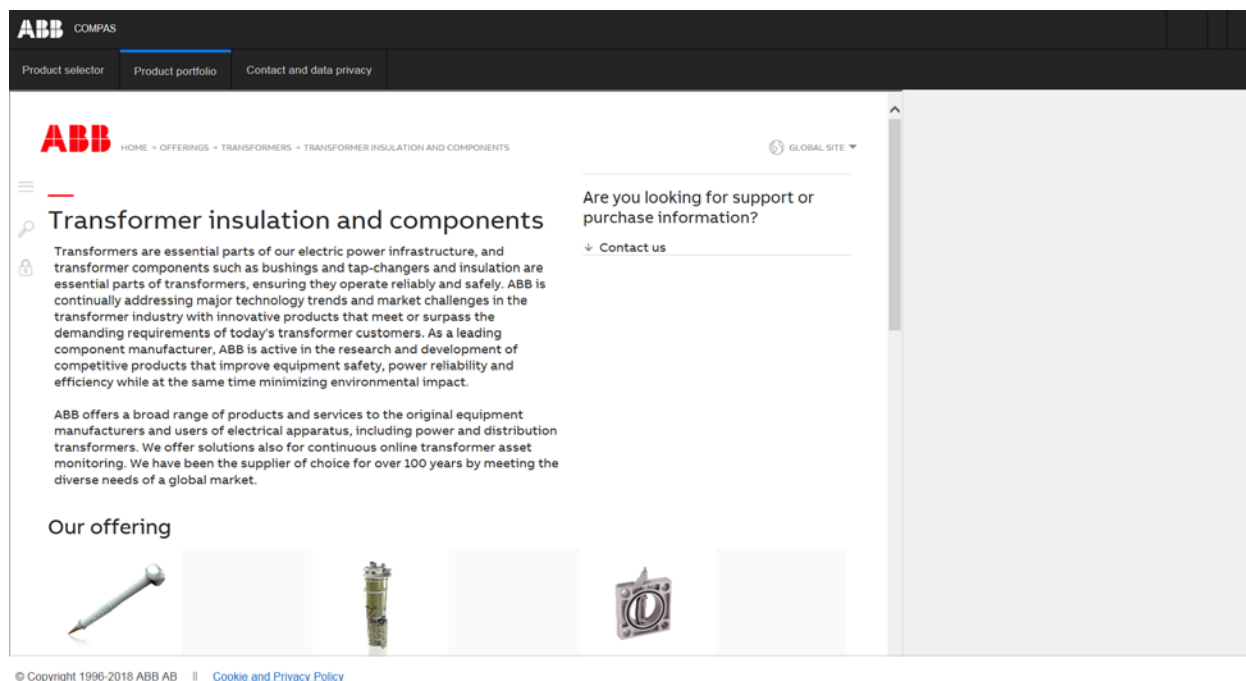


Figure 5: Product portfolio

1.4 Contact and data privacy

Under the contact and data privacy menu, the user finds information and support about Web COMPAS. The menu contains:

- Contact information for technical and system support
- Company information
- Cookies and data privacy

ABB COMPAS

Product selector | Product portfolio | **Contact and data privacy**

Application Information

Application Questions: SE-compas.components@abb.com

COMPAS Project Manager Zami Sarker
(SECOM Business Developer) zami.sarker@se.abb.com
+46 240 784 393

COMPAS Technical Manager Per Stenberg
per.stenberg@se.abb.com

Link to ABB's Privacy page: [Cookie and Privacy Policy](#)

Company Information

Post Address: ABB AB
Components
771 80 LUDVIKA

Visiting Address: Lyviksvägen 10

Invoice Address: ABB AB
Components
Fe 6040
839 84 ÖSTERSUND

Delivery Address: ABB AB
Components
Torg 59 (Bushings) alt.
Torg 51 (Tap Changers)
771 80 LUDVIKA

Organization number: 556029-7029

VAT: SE56029702901

ABACUS-code: SEABB

CIT-code: SEABR02

BU-code: PGTR (Transformers)

PG-code: 2425 (Insulation and Components)

ICV-code: 9AAV100275

Bank details: Svenska Handelsbanken
Box 36
721 03 VÄSTERÅS

Account number: 6531 157 620 791

IBAN: SE86 6000 0000 0001 5762 9791

SWIFT: HANDSESS
6000 0000

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Figure 6: Contact and data privacy

2. Product selector

2.1 OLTC Product selector

OLTC Product selector allows the user to search and select OLTC products in two ways.

- Quick search
- Guided search

Through Quick search the user can search on one specific OLTC product or several products from a product family. The Guided search option allows the user to search on one or several OLTC products based on a set of input data.

2.1.1 OLTC Quick search

The Quick search requires the user to fill in a specific Tap changer type and a specific number of positions. Find the proper product based on the selection criteria.

2.1.1.1 OLTC quick search step-by-step

1. Enter Tap changer type - requires the user to type one of the product family, (V)UC, (V)UB or UZ.
2. Number of positions - requires the user to type a specific number of positions to find a product.
3. Search - User can search on the product if step 1 and 2 is fulfilled.
4. Tap changer search results - based on the data input in step 1 and 2.
5. Clear all - User can reset the input data by click on the Clear all button.

ABB COMPAS

Product selector | Product portfolio | Help

OLTC | Bushings

Quick search | Guided search

Enter TC type **1**
UCLLE 380/600

Number of positions **2**
17

Results

Tap-changers search results **4**

Design type: All

	Name	Price	Delivery time
Select	UCLLE 380/600/III US, 17 positions	on request	6 weeks
Select	UCLLE 380/600/III S, 17 positions	on request	6 weeks
Select	UCLLE 380/600/F, 17 positions	on request	6 weeks

Terms and conditions

Delivery time - Standard delivery times from ABB AB, Components. Valid for delivery Ex Works Ludvika* after receipt of approved drawings. The published delivery times reflect our general load, however ABB AB Components reserve ourselves for the occasion of a higher load, which might affect delivery times. If the indicated delivery times does not meet your requirements, please contact our sales department. [Final delivery times are always as per the order acknowledgement.](#)

*Other terms of delivery than Ex Work Ludvika (INCOTERMS2010) may be agreed locally at additional cost.

[More information](#)

Clear all **5** | Search **3**

Figure 7: OLTC Quick search overview

2.1.2 OLTC Guided search

The OLTC Guided search section is based on a set of criteria. The OLTC Guided search requires the user to select the specific preferable design type, switching type and connection type. The other input fields are optional and based on manual number input. The result, is ranked on price.

2.1.2.1 Data description

Input data fields:

- **Design type** – On-tank, In-tank or Vacuum.
- **Number of positions** – Maximum number of positions. <35 positions depending on the specific product.
- **Phase step voltage (V)** – The maximum permitted step voltage is limited by the electrical strength and the switch capacity of the divert switch.
- **Maximum through-current (A)** - The current which the tap-changer is cable of transferring from one tapping to the other at the relevant rated step voltage.
- **Switching type** – Coarse/fine, Linear or Plus/minus type of regulation.
- **BIL of OLTC (kV)** – Basic insulation level
- **Connection type** – Three-phase delta, Single phase, Three-phase star point or Three-phase fully insulated.

- **Impulse test voltage across regulating winding a2, (kV)** – Between the ends of the fine regulating winding (across range). For coarse/fine switching in minus position, this means between the freely oscillating end of the coarse winding and any end of the fine winding.
- **Short-circuit current, 3 s. rms (kA)** – The short-circuit strength is verified with three applications of 3 seconds duration, without moving the contacts between the three applications. Each application has an initial value of at least 2.5 times the rms value.

2.1.2.2 OLTC Guided search step-by-step

1. Input data fields - specify the OLTC parameters. See list above for help.
2. Search - User can search on products after the required selection is filled (Design type, switching type and connection type).
3. Tap changers search results - based on the input data and ranked on price.
4. Calculated values - based on the input values. Breaking power is calculated by multiplying the maximum through-current with the phase step voltage.
5. Calculated values - based on the input values. Service voltage across regulating windings is calculated by multiplying the numbers of loops in the regulating windings with the phase step voltage.
6. Clear all - User can reset the input data by click on the Clear all button.

The screenshot displays the ABB COMPAS OLTC Guided search interface. On the left, the 'Design type' is set to 'In-tank'. Other parameters include 17 positions, 1500V phase step voltage, 300A maximum through-current, Linear switching type, 250kV BIL, and Three-phase delta connection. The search results section shows 'Tap-changers search results' for 'Design type: In Tank' with 7 results. The 'Calculated values' section shows a breaking power of 450 kVA and a service voltage of 24 kV. The interface includes a 'Clear all' button and a 'Search' button.

Name	Price	Delivery time
UCGLB 380/300/C Short, 17 positions	on request	6 weeks
UCGLB 380/400/C, 17 positions	on request	6 weeks
UCGLB 650/300/C Short, 17 positions	on request	6 weeks
UCGLB 650/400/C, 17 positions	on request	6 weeks
UCGLB 380/300/C, 17 positions	on request	6 weeks
UCGLB 750/300/C Short, 17 positions	on request	6 weeks
UCGLB 650/300/C, 17 positions	on request	6 weeks

2/27/2018 10:23 || COMPAS 2018 || ©ABB AB, Components

Figure 8: OLTC Guided search overview

2.1.3 OLTC Product selector search results

To get information of the preferable OLTC product, requires the user to click on the select button.

1. Select product by clicking on Select button.

The screenshot displays the ABB COMPAS OLTC Product selector search results. The interface is divided into three main sections: search filters, search results, and calculated values.

Search Filters (Left Panel):

- Design type: In-tank
- Number of positions: 17
- Phase step voltage (V): 1500
- Maximum through-current (A): 300
- Switching type: Linear
- BIL of OLTC (kV): 250
- Connection type: Three-phase delta

Search Results (Center Panel):

Tap-changers search results

Design type: In Tank

1	Name	Price	Delivery time
Select	UCGLB 380/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 380/400/C, 17 positions	on request	6 weeks
Select	UCGLB 650/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 650/400/C, 17 positions	on request	6 weeks
Select	UCGLB 380/300/C, 17 positions	on request	6 weeks
Select	UCGLB 750/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 650/300/C, 17 positions	on request	6 weeks

Design type: On Tank

Name	Price	Delivery time
No tap-changers found	-	-

Calculated values (Right Panel):

Breaking power: 450 kVA
 The breaking power is calculated by multiplying the maximum through-current with the phase step voltage.

Service voltage across regulating windings: 24 kV
 The service voltage across the regulating windings is calculated by multiplying the number of loops in the regulating windings with the phase step voltage.

2/27/2018 10:23 || COMPAS 2018 || ©ABB AB, Components

Figure 9: Select OLTC product

2.1.4 OLTC Product information overview

Through selected preferable OLTC product the user access the information and documentation for the specific OLTC product.

1. Selected OLTC product
- 2a. Info - standard information of selected OLTC product.
- 2b. Standard information, including technical data and electrical voltages information.
 1. Documentation - including Technical guides, dimension drawings, electrical connection diagrams, additional drawings and general documentation. The documents can easily be downloaded and saved to the user's computer. (see figure 10).
 2. Create Sales Inquiry - send inquiry by E-mail to ABB Components Sales Department based on the input data. (see figure 11).

The screenshot displays the ABB COMPAS interface for OLTC product selection. On the left, a sidebar contains search filters for Design type (In-tank), Number of positions (17), Phase step voltage (V) (1500), Maximum through-current (A) (300), Switching type (Linear), BIL of OLTC (kV) (250), Connection type (Three-phase delta), and Impulse test voltage across regulating winding a2 (kV). The main area shows 'Tap-changers search results' for 'Design type: In Tank' with a table of results. A 'Calculated values' section provides technical details like Breaking power (450 KVA) and Service voltage across regulating windings (24 kV). On the right, a product image is shown with an 'Info' panel listing Name (UCGLB 380/300/C), Number of positions (17), Price (on request), and Delivery time (6 weeks). At the bottom, buttons for '3 Documentation', '2a Info', and '4 Create Sales Inquiry' are visible.

1	Name	Price	Delivery time
Select	UCGLB 380/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 380/400/C, 17 positions	on request	6 weeks
Select	UCGLB 650/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 650/400/C, 17 positions	on request	6 weeks
Select	UCGLB 380/300/C, 17 positions	on request	6 weeks
Select	UCGLB 750/300/C Short, 17 positions	on request	6 weeks
Select	UCGLB 650/300/C, 17 positions	on request	6 weeks

Calculated values

Breaking power: 450 KVA
 The breaking power is calculated by multiplying the maximum through-current with the phase step voltage.

Service voltage across regulating windings: 24 kV
 The service voltage across the regulating windings is calculated by multiplying the number of loops in the regulating windings with the phase step voltage.

Info

Name: UCGLB 380/300/C
 Number of positions: 17
 Price: on request
 Delivery time: 6 weeks

Measure

Phase step voltage (V): 1500

Figure 10: OLTC product information overview

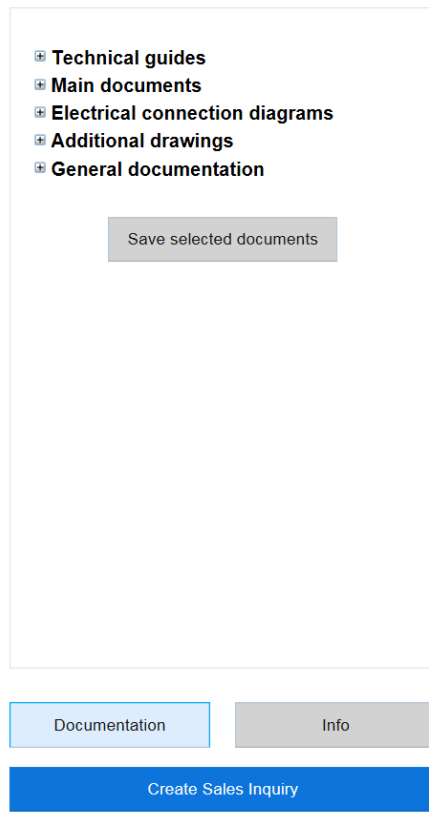


Figure 11: OLTC documentation overview

2.1.5 OLTC Sales inquiry

User can create an sales inquiry and send the input data to ABB Components Sales Department. The inquiry is an e-mail based function that collects the values selected in the input data fields.

1. Mandatory fields in order to create an sales inquiry
2. Optional fields
3. Create E-mail - see figure 12 for the e-mail overview.
4. Cancel - sends the user back to the product selector side.

The screenshot shows a web form titled "Inquiry". The form has the following fields:

- Name**: A text input field with a red star icon to its right, indicating it is mandatory. A green box highlights this field, and a red number "1" is placed to its right.
- Country**: A dropdown menu with "Algeria" selected and a red star icon to its right, indicating it is mandatory. A green box highlights this field, and a red number "1" is placed to its right.
- Corporation**: A text input field with a red star icon to its right, indicating it is mandatory. A green box highlights this field, and a red number "1" is placed to its right.
- Job function**: A text input field with a red star icon to its right, indicating it is mandatory. A green box highlights this field, and a red number "1" is placed to its right.
- End User**: A text input field. A green box highlights this field, and a red number "2" is placed to its right.
- Contact number**: A text input field. A green box highlights this field, and a red number "2" is placed to its right.

At the bottom of the form, there are two buttons:

- Cancel**: A red button. A green box highlights this button, and a red number "4" is placed below it.
- Create E-mail**: A blue button. A green box highlights this button, and a red number "3" is placed below it.

Figure 12: OLTC sales inquiry menu

2.1.5.1 OLTC E-mail overview

1. Subject - is set to COMPAS sales inquiry.
2. Contact information - based on the input data in the OLTC sales inquiry menu.
3. Description of inquiry - ability for the user to describe the inquiry in detail.
4. Selected product – Selected product under Tap-changers search results
5. Input data – data and values selected by the user from the OLTC product selector.

Send Cc... Subject **COMPAS Sales Inquiry** 1

Contact information 2

Name: Oscar
 Country: Sweden
 Corporation: ABB Components
 Job Function: Business Development
 End User:
 Contact number:

Description of inquiry 3

Insert text...

Selected product 4

UCGRB 650/600/C, 17 positions

Input data 5

Design type	In Tank
Number of positions	17
Phase step voltage (V)	1500
Maximum through-current (A)	500
Switching type	Plus/Minus
BIL of OLTC (kV)	400
Connection type	Three-phase delta
Impulse test voltage across regulating winding, a2 (kV)	
Short-circuit current, 3s. rms (kA)	

Figure 13: OLTC E-mail inquiry

2.2 Bushings product selector

Bushings Product selector allows the user to search and select bushing products in two ways.

- Quick search
- Guided search

By the Quick search the user can search on one specific bushing product or several products from a product family. The Guided search option allows the user to search on one or several bushing products based on a set of input criteria's.

2.2.1 Bushings Quick search

The Bushings Quick search requires the user to fill in a specific bushing type, the user can specify to get a specific product by the preferable designation and/or ordering number.

1. Bushing type.
2. Designation - product feature name.
3. Ordering number.

The results of products filters automatically based on the input data in section 1, and/or 2, 3.

4. Bushings search results - based on the input data.
5. Clear all - User can reset the input data by click on the Clear all button.

The screenshot displays the ABB COMPAS Bushings Quick search interface. The top navigation bar includes 'Product selector', 'Product portfolio', and 'Help'. The main content area is divided into a left sidebar and a right main panel. The sidebar contains filters for 'Bushing type' (GOB), 'Designation' (GOB 1050/1100), and 'Ordering number' (LF123280-L). The main panel shows the search results for 'Technology: All' with a table of results. Below the table, there is a 'Terms and conditions' section with a 'More information' link. A 'Clear all' button is located at the bottom of the sidebar.

Name	Number	Price	Delivery time
GOB 1050/1100 Um=300 Oil-Air BIL=1050	LF123280-L	On request	11 weeks

Terms and conditions
Delivery time - Standard delivery times from ABB AB, Components. Valid for delivery Ex Works Ludvika* after receipt of approved drawings. The published delivery times reflect our general load, however ABB AB Components reserve ourselves for the occasion of a higher load, which might affect delivery times. If the indicated delivery times does not meet your requirements, please contact our sales department. Final delivery times are always as per the order acknowledgement.
 *Other terms of delivery than Ex Work Ludvika (INCOTERMS2010) may be agreed locally at additional cost.
[More information](#)

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Figure 14: Bushing Quick search overview

2.2.2 Bushings Guided search

Bushings Guided search section is based on a set of criteria. The Bushings Guided search requires the user to select minimum of one specific preferable option from the input data field. Each selected value shrinks the bushing results and options in the input data field. The result, is ranked on price.

2.2.2.1 Data description

Input data fields:

- **Application** - Transformers and reactors AC or wall application
- **Type of application** – Air-Air, Oil-Air, Oil-Oil and Oil-SF6. Air-Air is applicable for wall bushings. Oil-Air, Oil-Oil and Oil-SF6 is applicable for transformers and reactors AC bushings.
- **Internal insulation** – Oil (OIP- Oil impregnated paper) or RIP (Resin impregnated paper). Oil and RIP is applicable for transformer and reactors AC with Oil-Air or Oil-SF6 and for wall Air-Air. Transformer and reactors AC with Oil-Oil can only apply RIP.
- **Outdoor insulation** – Porcelain brown, Porcelain grey and SiR-grey (Silicon rubber). Porcelain is applicable for bushings with oil internal insulation and SiR-grey is applicable for RIP bushings.
- **Rated current [A]** – This is the maximum continuous AC current the bushing can carry at a certain air temperature and a certain oil temperature.
- **Maximum system voltage (Um) [kV]** - Normally the highest RMS value of the phase-to-phase voltage for the system on which the bushing will be used.
- **Basic insulation level (BIL) [kV]** – Equal to dry lightning impulse withstand voltage.
- **Wet switching impulse (SIL) [kV]** – Normally the same switching impulse level as for the transformer. This is a type test and is performed under wet conditions for bushings for outdoor application.
- **Power frequency withstand voltage (PFWV) [kV]** – Normally 10% above the test level of the test for the transformer. This test is performed as a routine test on all bushings.
- **Creepage distance [mm]** – Depends on the degree of pollution in the area where the bushing is to be used.
- **Space for current transformer (CT Length)** – See Technical guide for recommendations.
- **Seismic verified IEEE 693 Moderate level** – Seismic verified or non-verified contact ABB
- **Seismic verified IEEE 693 High level** – Seismic verified or non-verified contact ABB

2.2.2.2 Bushing guided search step-by-step

1. Input data fields, specify the bushings parameters. See list above for help. (NOTE: The product list updates automatically based on the input data).
2. Bushings search results - based on the input data and ranked on price.
3. Clear all - User can reset the input data by click on the Clear all button.

The screenshot shows the ABB COMPAS web interface. The top navigation bar includes 'Product selector', 'Product portfolio', and 'Help'. The user is logged in as 'External user' in 'en-US'. The main content area is titled 'Bushings search results' and displays a table of search results. On the left, there is a filter panel with various selection options. A 'Clear all' button is located at the bottom of the filter panel. The search results table has the following columns: Name, Number, Price, and Delivery time. The results are sorted by price, with 'On request' prices shown.

	Name	Number	Price	Delivery time
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123013-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123015-K	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123025-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123013-L	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123083-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123171-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123015-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123027-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123173-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123083-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123025-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123089-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123171-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123177-K	On request	7 weeks
Select	GOB 380/800 Um=100 Oil-Air BIL=380	LF123037-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123175-K	On request	7 weeks

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Figure 15: Bushings product selector overview

2.2.2 Bushings Product selector search results

To get information of a preferable bushing product, the user requires to click on the Select button.

1. Select product by clicking on Select button.

The screenshot shows the ABB COMPAS product selector interface. The top navigation bar includes 'ABB COMPAS', 'External user', and 'en-US'. The main interface is divided into a sidebar on the left and a main content area on the right. The sidebar contains filters for 'Application' (Transformer and reactor), 'Type of application' (Oil-Air), 'Internal insulation', 'Outdoor insulation', 'Maximum rated current [A]', 'Maximum system voltage (Um)[kV]', 'Basic insulation level (BIL)[kV]', and 'Wet switching impulse (SIL)[kV]'. The main content area is titled 'Bushings search results' and displays a table of search results. The table has columns for 'Name', 'Number', 'Price', and 'Delivery time'. Each row includes a 'Select' button. A red '1' is placed above the first 'Select' button in the table.

	Name	Number	Price	Delivery time
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123013-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123015-K	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123025-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123013-L	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123083-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123171-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123015-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123027-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123173-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123083-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123025-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123089-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123171-L	On request	7 weeks
Select	GOB 325/800 Um=72.5 Oil-Air BIL=350	LF123177-K	On request	7 weeks
Select	GOB 380/800 Um=100 Oil-Air BIL=380	LF123037-K	On request	7 weeks
Select	GOB 250/800 Um=52 Oil-Air BIL=250	LF123175-K	On request	7 weeks

Figure 16: Bushing product select

2.2.3 Bushings Product information overview

Through selected preferable bushing product the user access the information and documentation for the specific bushing product.

1. Selected bushing product

2a. Info - standard information of selected bushing product.

2b. Standard information.

3. Documentation - including Technical guides, dimension drawings, additional drawings and general documentation. The documents can easily be downloaded and saved to the user's computer. (See figure 17).

4. Create Sales Inquiry - send inquiry by E-mail to ABB Components Sales Department based on the input data. (See figure 18).

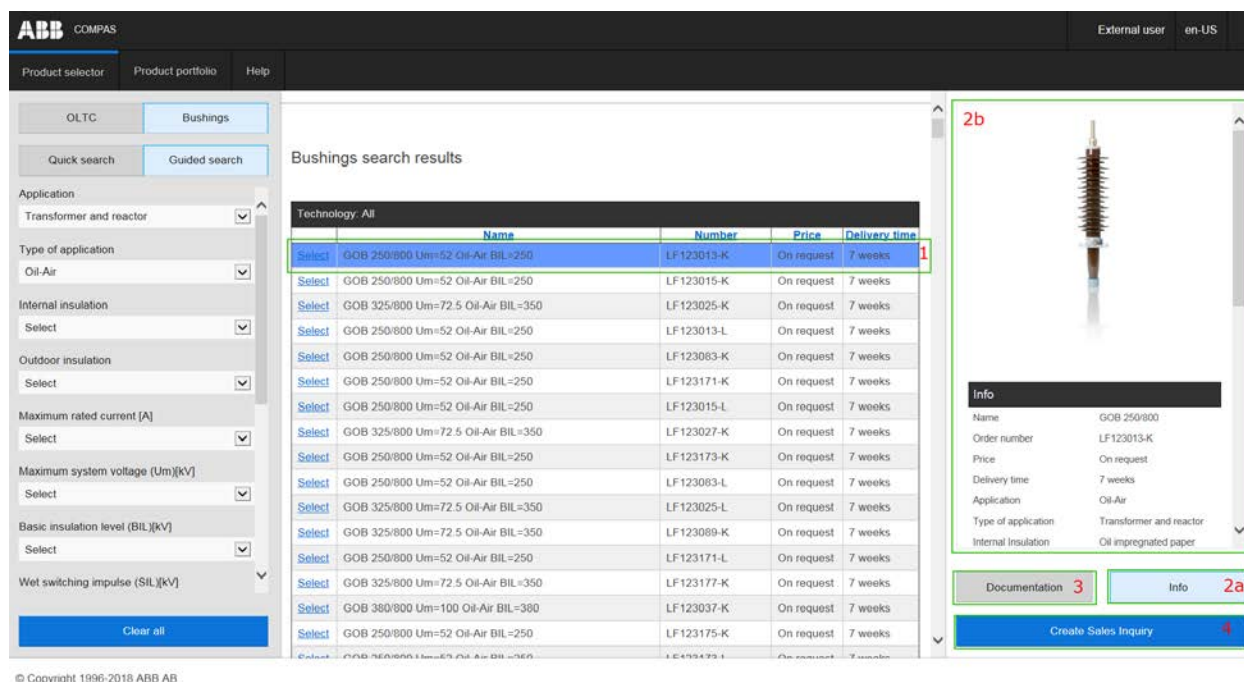


Figure 17: Bushing product information overview

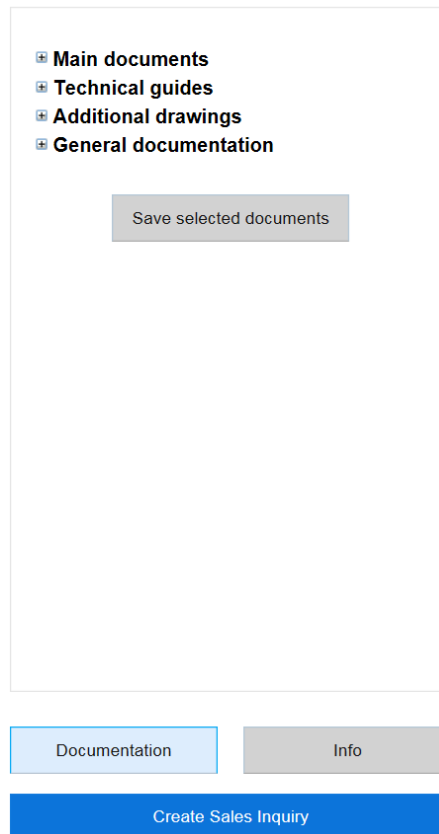


Figure 18: Bushing documentation overview

2.2.5 Bushings Sales inquiry

User can create a sales inquiry and send the input data to ABB Components Sales Department. The inquiry is an e-mail based function that collects the values selected in the input data fields.

1. Mandatory fields in order to create a sales inquiry
2. Optional fields
3. Create E-mail - see figure 19 for the e-mail overview.
4. Cancel - sends the user back to the product selector side.

The screenshot shows a web form titled "Inquiry". The form contains several input fields: "Name" (text input with a red star), "Country" (dropdown menu with "Algeria" selected and a red star), "Corporation" (text input with a red star), "Job function" (text input with a red star), "End User" (text input), and "Contact number" (text input). A red box labeled "1" encloses the "Name", "Country", "Corporation", and "Job function" fields. A red box labeled "2" encloses the "End User" and "Contact number" fields. At the bottom, there are two buttons: a red "Cancel" button labeled "4" and a blue "Create E-mail" button labeled "3".

Figure 19: Bushings sales inquiry

2.2.5.1 Bushings E-mail overview

1. Subject - is set to COMPAS sales inquiry.
2. Contact information - based on the input data in the Bushings sales inquiry menu.
3. Description of inquiry - ability for the user to describe the inquiry in detail.
4. Selected product – Selected product under Bushings search results.
5. Input data – data and values selected by the user from the Bushings product selector.

Send Cc... Subject COMPAS Sales Inquiry 1

Contact information 2
 Name: Oscar
 Country: Sweden
 Corporation: ABB Components
 Job Function: Business Development
 End User:
 Contact number:

Description of inquiry 3
 Insert text....

Selected product 4
 GOE(2) 1550-1175-1600-0.3
 1ZSC903550-AAA

Input data 5

Application	Transformer and reactor
Type of application	Oil-Air
Internal insulation	Oil impregnated paper (OIP)
Outdoor insulation	Porcelain-Brown
Rated current [A]	1600
Maximum system voltage (Um)[kV]	550
Basic insulation level (BIL)[kV]	1550
Wet switching impulse (SIL)[kV]	1050
Wet power frequency AC [kV]	N/A
Power frequency withstand voltage (PFVV)[kV]	750
Creepage distance [mm]	10130
Space for current transformer (CT Length)[mm]	300
Seismic verified IEEE 693 Moderate level	Seismic verified
Seismic verified IEEE 693 High level	Non-verified contact ABB

Figure 20: Bushings E-mail inquiry

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www.abb.com/transformercomponents