
FEBRUARY 2024

ABB Smart Tools and Softwares

ABB Electrification



ABB

About this document

Purpose of this interactive document:

This document is meant to show the ABB Electrification Smart Tools and softwares, references available

What is inside:

- Portals
- Design Tools
- Selection tools
- Simulators
- References

How to use:

You will find cards showing link to related tools



Quick menu

Portals

PORTALS

- [ABB Partner Hub](#)
- [Empower \(NEMA\)](#)

Design tools

DESIGN TOOLS

- [Application configurator](#)
- [Application finder](#)
- [BIM solutions & ABB BIMagic® Designer](#)
- [Cadenas library \(3rd party\)](#)
- [Data Center sub-distribution configurator](#)
- [DOCweb and CURVESweb](#)
- [Door entry system configurators](#)
- [Easy Pro™](#)
- [Emax 2 and Tmax XT drawing selector](#)
- [Eplan \(3rd party\)](#)
- [e-Configure Enclosures](#)
- [e-Design Software](#)
- [SMISLINE TP Configurator](#)

Simulators & Commissioning tools

SIMULATORS & COMMISSIONING TOOLS

- [ABB i-bus® Tool](#)
- [CLOSER](#)
- [Ekip Connect](#)
- [EPiC](#)
- [Emax 2 and Tmax XT trip unit simulators](#)
- [PSTX Softstarter Simulator](#)
- [S4M for M4M meters](#)
- [The Relay Explorer – Rxplore](#)
- [TruOne ATS Virtual HMI](#)
- [Video Manuals](#)

SELECTION TOOLS

- [Drive Size](#)
- [Drive, Softstarter and Motor Selector](#)
- [EV charger selector](#)
- [e-Configure](#)
- [Relays-Online](#)
- [ReliaGear OEM Drawing Selector \(NEMA\)](#)
- [SOC - Selected Optimized Coordination](#)
- [Softstarters Selection Tool \(ProSoft\)](#)
- [SSCR Resource Hub \(NEMA\)](#)
- [UPS selector](#)

Selection tools

REFERENCES

- [ABB Ability™ Solutions](#)
- [ABB Channel Partners](#)
- [ABB Electrification page](#)
- [ABB e-finder](#)
- [ABB Learning Youtube Channel](#)
- [ABB Library](#)
- [About ABB](#)
- [Case Studies](#)
- [Communication Channels](#)
- [Contact ABB](#)
- [EL Course Finder](#)
- [MyLearning Portal](#)
- [MV Switchgear 3D eCatalogue](#)
- [References and handbooks](#)
- [Smart Societies portal](#)
- [Technical publications](#)
- [Virtual factory tours](#)

References

ABB Smart Tools and Software

Portals

ABB Smart Tools and Software

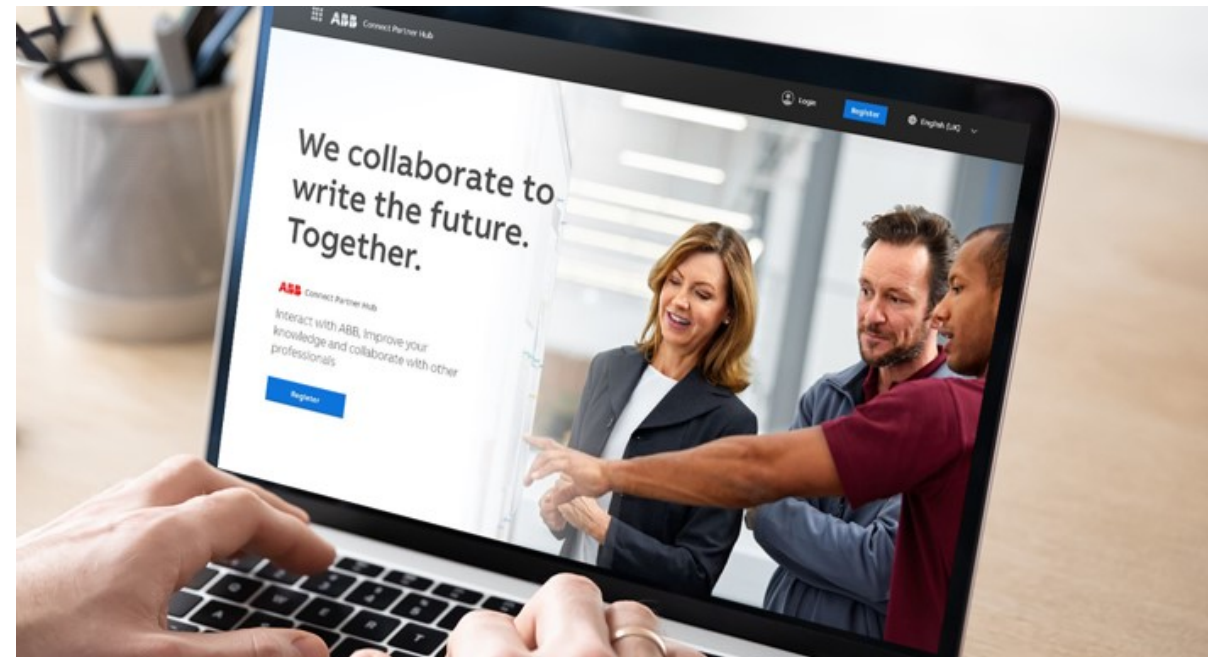
ABB Partner Hub

ABB Partner Hub

ABB Partner Hub is a dynamic online community where partners can collaborate and access the competencies, products and professionals to design, sell, deliver and operate integrated solutions and value-added services

- **Drive** interaction between ABB employees and partners
- **Simplify** the search, configuration, purchase and installation of ABB products
- **Integrate** ABB solutions into a seamless partner experience
- Build a foundation for better **collaboration**
- Empower ABB and partners to create value **together**

ABB PARTNER HUB



HOW TO VIDEOS

ABB Smart Tools and Software

ABB Partner Hub

Developers

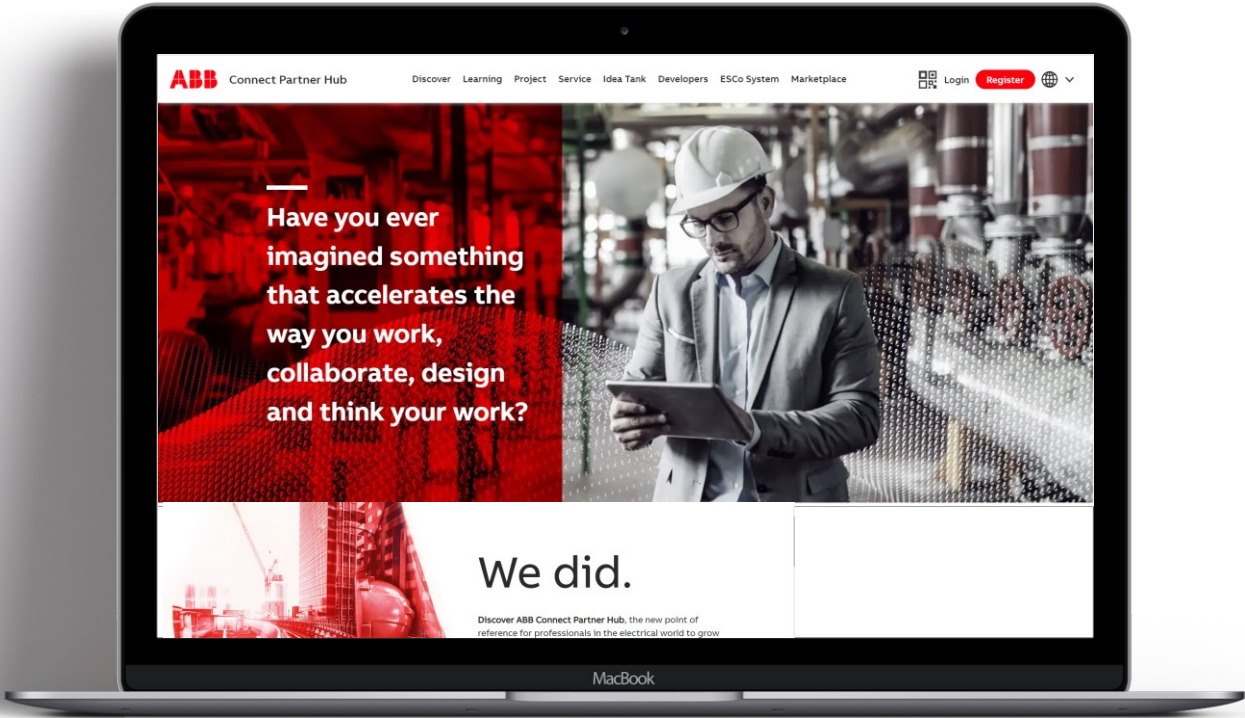
I can design and develop my own applications within ABB's Asset, Building and Energy management solutions, in one place. Thanks to ABB API's SDKs and other IoT services, those let my ideas come true.

Idea Tank

In Idea Tank I can express my ideas and comment on what I like and don't like. I can really make a difference while knowing that ABB is listening and responding to my needs.

Learning

I can find and explore my own learning paths tailored to my business needs.



People

I can learn, design, and quickly configure my project, collaborating with other people in Partner Hub's powerful network.

Project

I can start sketching a new plant or site from a predefined blue print solution provided by ABB and relevant to my scenario.

Service

I can view my asset status in real-time, review maintenance based on a predictive model, optimize energy, identify anomalies, and get real-time notifications about problems. And I can easily find and schedule maintenance service from ABB as needed.

ABB PARTNER HUB

ABB Smart Tools and Software empower

Empower – the power to do more

Our premier digital commerce platform enables our employees, partners and customers to manage all aspects of their relationship from quote and bid to order and delivery tracking.

- **eCommerce:** Find, order and track products fast
- **Project Management:** Manage configured items, generate bills of material and more
- **Product Configuration:** Use online configurators to build any size project
- **Document Generation:** Generate electronic documents with ease, from configured drawings to full proposals and submittal packages

empower

empowerU – getting started guide

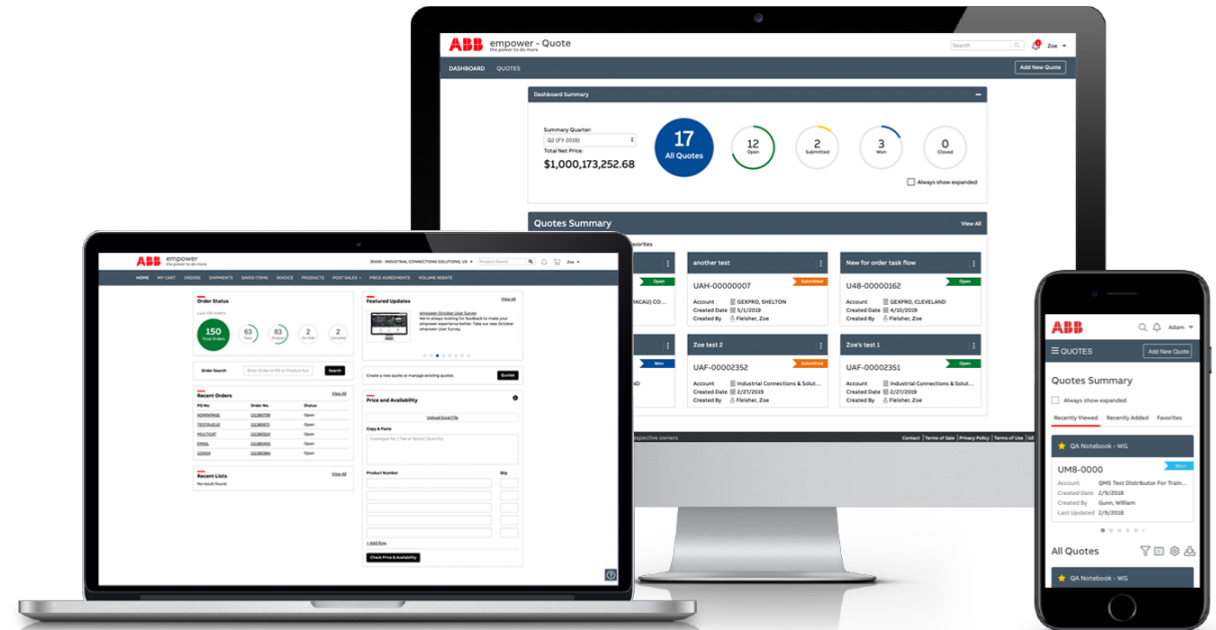


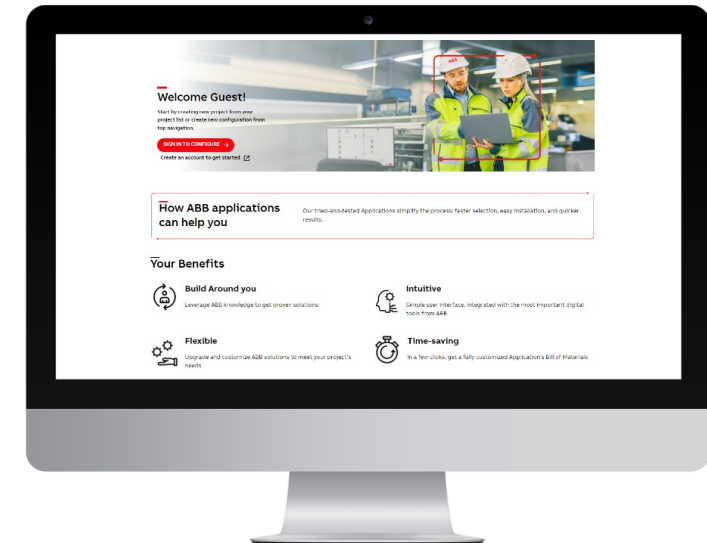
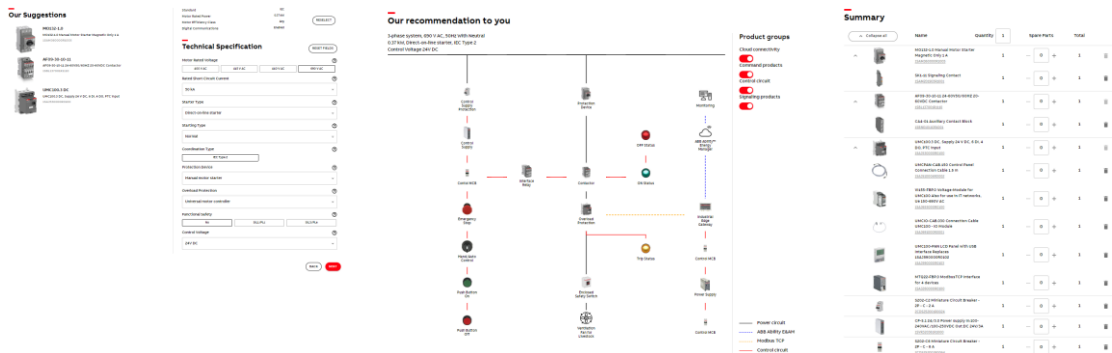
ABB Smart Tools and Software

Design tools

Application configurator

Application configurator is a web-based software tool to select & customize an ABB application easily and quickly

- Leverage ABB's application expertise
- Configure proven solution packages
- Flexibly upgrade & accessorize items
- Prepare you project's Bill of Materials



Application configurator

ABB Smart Tools and Software

Application finder

Application finder

Find your reference from a portfolio of over 50 Applications in key market segments

- **Application Note:** A step-by-step journey from end-use specifications and challenges to ABB solution.
- **Reference Bill of Materials:** To speed up your projects with fixed and open BOMs
- **Reference Single Line Diagram:** Technical drawings to ease your design phase.

Application finder

User guide video

Application Finder
Find your reference architecture in one search

Welcome to the **Application Finder**, the fastest way to get your full application package just in one search!

By simply selecting your Market Segment, the standard you need and the end use you are looking for, you will **get the full list of Applications** available, **Bill of Materials** and **Schematics** to build your application and speed up your project.

Product codes have never been so easy to get: **download the full documentation** and easily share it with your colleagues through the dedicated buttons!

Select country > Global

Segment

- Battery Energy Storage Systems
- Food & Beverage
- Solar
- Data Centers
- Rail
- Greenhouses
- Buildings
- HVAC & Refrigeration
- Machinery

Standard
Select...

End use
Select...

Continuous Power solutions for Containerized power distribution in 1750kW N+1 IT Loads in Data Centers
IEC Solution

Are you searching for perfect containerized UPS & power distribution solutions for IT loads? Take a look at the pre-designed ABB solution.

With ABB as a partner in providing power continuity for IT loads in a data center, find a perfect, continuous power solution must include a resilient power distribution system coordinated with the UPS.

What is continuous power distribution with ABB?
A fully integrated and coordinated solution for power loads separation with upstream and downstream protection devices. This includes ABB's own design and manufacturing expertise.

Advantages:
- Reduced footprint & footprint
- On-demand and pre-designed capacity
- Scalability
- Seamless integration with existing infrastructure, reducing energy

Part Number	Local Part Number	Product Description	Quantity
1SDA700000	1SDA700000	MOUNTING PART FOR C-BREAKER SACE ENHANCED 4000 THREE-POLE WITH SOLID STATE RELEASE IN AC BUS/TOUCH-LESS 4000 FITTED WITH A AUXILIARY CONTACT AND C-BREAKER IN POSITION OPEN-CLOSED	1
1SDA700000	1SDA700000	FIXED PART WITH REMOVABLE FOR C-BREAKER SACE ENHANCED 4000 THREE-POLE WITH REAR HORIZONTAL TERMINALS (VDS, VI)	1
1SDA700000	1SDA700000	FRONT TERMINAL UPPER 3000 FOR FIXED PART WITH REMOVABLE INSTALL (VDS)	1
1SDA700000	1SDA700000	BREAKING PART THAX 1750-3000 THREE-POLE WITH FRONT TERMINALS	4
1SDA700000	1SDA700000	MOUNTING PART FOR C-BREAKER SACE ENHANCED 2000 THREE-POLE WITH SOLID STATE RELEASE IN AC BUS/TOUCH-LESS 2000 FITTED WITH A AUXILIARY CONTACT AND C-BREAKER IN POSITION OPEN-CLOSED	2

Schematic Diagram:

ABB Smart Tools and Software

BIM solutions

BIM files

ABB invests on Building Information Modeling, in order to create sustainable buildings for the future. Wide portfolio of solutions available to enrich your electrical planning:

- Transformers
- Switchgears
- Sub distribution boards
- EV Chargers
- Emergency lighting
- ...more
- [BIM catalogue](#)
- [BIM ebook](#)

go.abb/BIM

FOR CUSTOMIZED BIM SOLUTIONS OR EXPERT ADVICE
CONTACT US




ABB BIM ebook
[Download BIM ebook](#)








ABB BIM Electrification Catalog
[Download BIM Catalog](#)



BIMagic® Designer
[Find out more](#)

ABB BIM objects are just one click away
Find them in the ABB Download Center, or from our Partners, together with all product documentation.



[ABB Download Center](#)[BIM Object](#)[MEP Content](#)

Plugins



ABB Switch Range Configurator



Busch Jaeger Switch Range Configurator



Niessen Switch Range Configurator



ABB Hafonorm Configurator

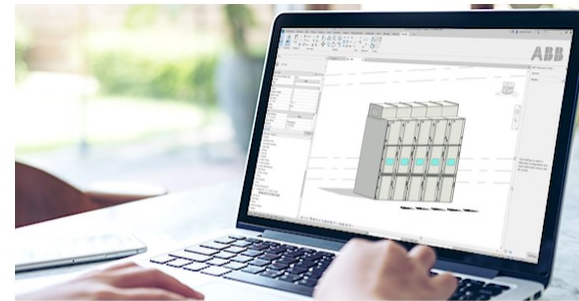
ABB Smart Tools and Software

ABB BIMagic® Designer

BIMagic® Designer

BIMagic® Designer is our free, easy to use Building Information Modeling (BIM) tool that allows you seamlessly integrate ABB products into your projects quickly and error proof from our comprehensive, ever-expanding BIM product catalogue.

- Global and Multilanguage solution
- Product visibility according to the market selected
- Works also as catalog with links to product pages
- Configure complex products without mistakes
- Support correct selection of Revit files
- Possibility to generate also *.ifc and Cad formats
- Share projects with a group
- Connection to/from configurators (Level3 – Future)



Configure products and download BIM Revit files outside of Autodesk Revit with BIMagic® Designers web-based tool suite, giving you the freedom to create your customized building design anywhere.

WEB VERSION



Seamlessly integrate the BIMagic® Designer tool directly into Autodesk Revit with its own plug-in, allowing you the benefits of BIMagic® Designers features, directly in the Revit environment.

AUTODESK REVIT PLUG-IN

ABB Smart Tools and Software

Cadenas

Cadenas

Cadenas is a third party repository providing 3D and 2D data for:

- motor starting & safety products
- LV Switchgear
- MV Switchgear
- Enclosures
- Breaker

CADENAS

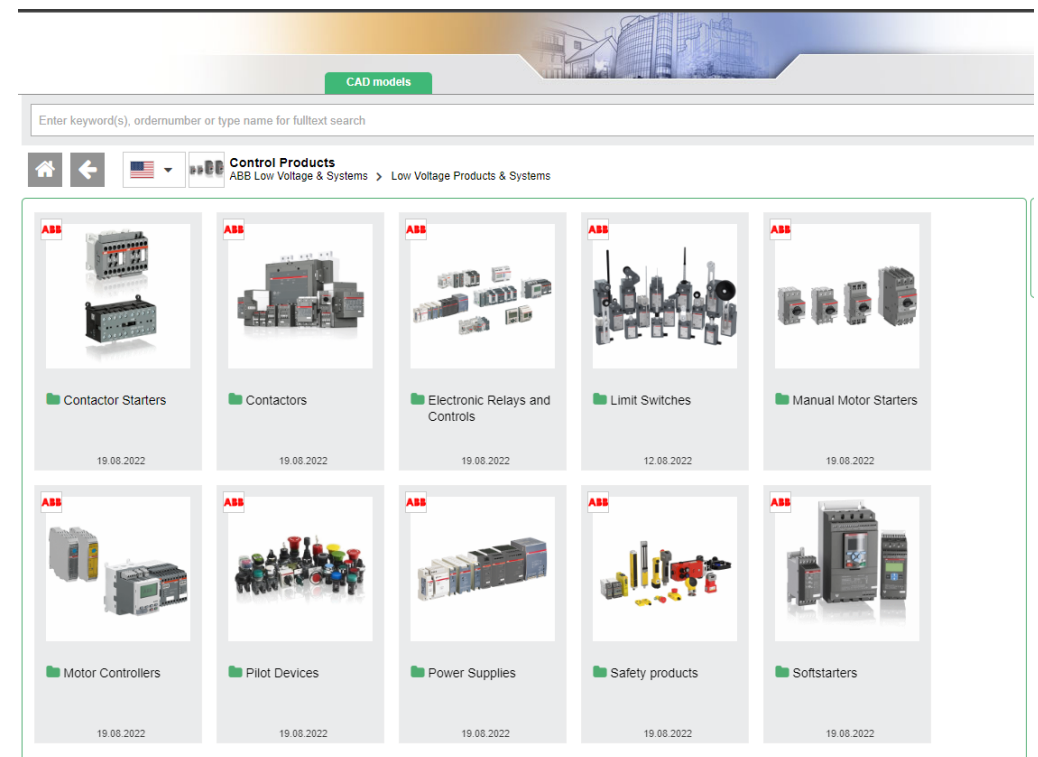


ABB Smart Tools and Software

Data Center server room sub-distribution configurator

Data Center server room configurator

Planning the energy distribution in Data Centers can be complex and time-consuming. To be more efficient, we have created a configurator, where you can create a customized low voltage power distribution on your iPad or Google chrome web browser.

ABB's Server Room Sub-Distribution Configurator is designed for Consultants, Design Engineers and everybody who is looking for inspiration in planning their data center's sub-distribution projects. It is a innovative tool to visualize your projects and a great source to create sub-distribution layouts and receive a bill of material in no time.

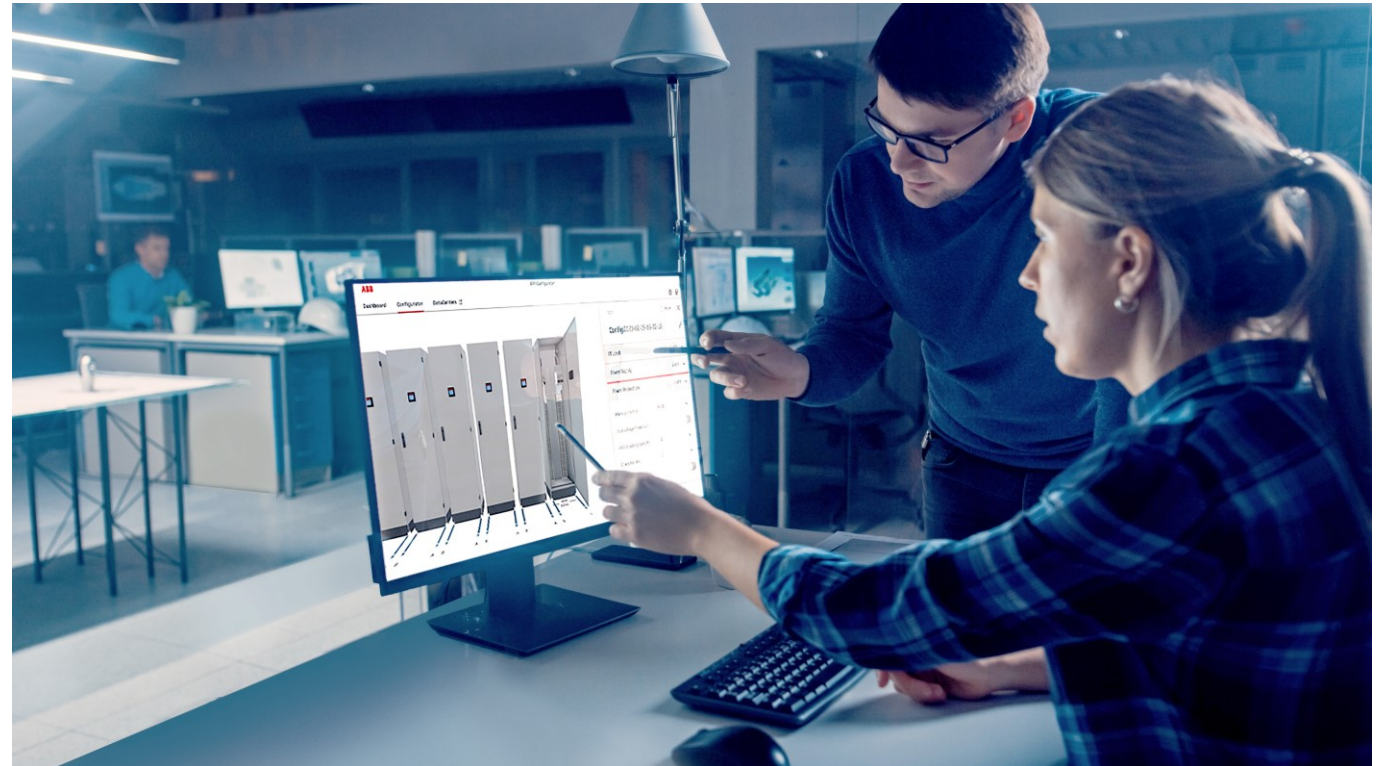
[Configurator](#)[HOW-TO VIDEO](#)

ABB Smart Tools and Software

DOCweb and CURVESweb

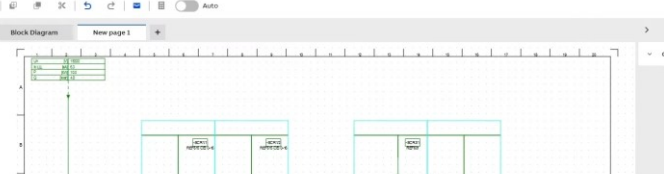
DOCweb

A cloud based software linked with ABB Partner Hub for designing and calculating single-line diagrams for low and medium voltage electrical installations, for choosing protection and operating devices, and for checking and coordinating the protections.

DOCweb

Custom draw & compute your MV and LV Network

Create your Network



VIDEO

CURVESweb

A cloud based software linked with ABB Partner Hub for designing, calibrating and to printing the trip curves of the protection devices.

CURVESweb

Plot and verify your devices trip curves at a glance

Create a trip curves study

The screenshot displays the CURVESweb software interface. On the left, there's a sidebar with a tree view showing 'Disconnector', 'Feeder', and 'Motor Feeder'. The main area shows a plot titled 'Selectivity with -QF81/2'. The plot has a logarithmic x-axis for current (A) ranging from 100 to 10000 and a logarithmic y-axis for time (s) ranging from 0.001 to 1000. Two curves are plotted: a blue curve (I1) and a yellow curve (I2). The blue curve starts at approximately 1000 A and 0.1 s, drops to about 100 A and 0.01 s, and then levels off. The yellow curve starts at approximately 1000 A and 0.001 s, drops to about 100 A and 0.01 s, and then levels off. To the right of the plot, there are settings for 'SET-QF81/2'. These settings include a table of values for I1, I2, I3, IO1, IO2, and DT, each with a toggle switch and a range of values. The I1 toggle is currently turned on.

VIDEO

ABB Smart Tools and Software

Door Entry System Configurators

Door Entry System Configurators

Quick planning function: Suitable for simple projects where all floors have the same number of apartments, all apartments have the same equipment and there are only Outdoor Stations at the building level.

Planning from scratch: Use this planning mode if all floors and apartments are different.

Wiring diagrams & Product documentation: The project documentation contains a diagram, showing the connection and device settings. Any required system components, are added automatically and power consumption requirements are always met.



ABB-Welcome
Configurator

HOW-TO VIDEO

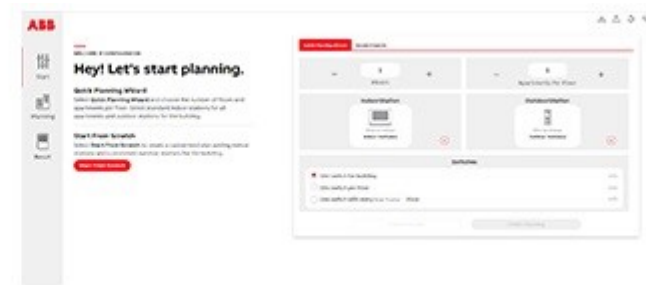


ABB-Welcome IP
Configurator

HOW-TO VIDEO

ABB Smart Tools and Software

Easy Pro™

Easy Pro™

Easy Pro™ is ABB's web-based configurator tool specially designed for electricians:

- Configure your electrical installation according to the standards
- Access ABB's practical information (News, Tutorials, and Technical Support)
- Generate your electrical diagram, your list of material, and your estimate
- Manage and monitor your projects
- Share documents with your employees, distributors, and clients
- Order your products from your distributor by email or online

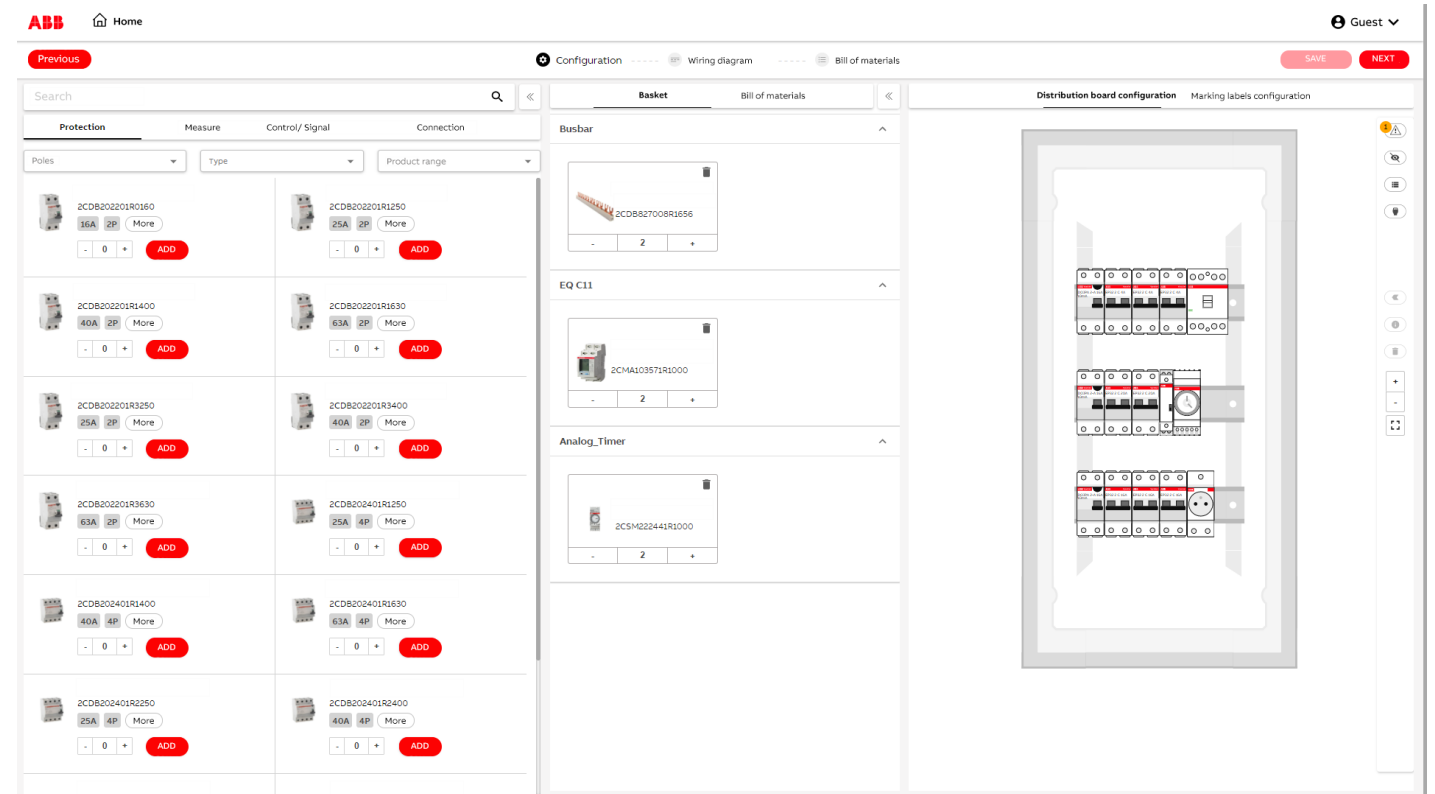
[Easy Pro™ Web](#)[VIDEO](#)

ABB Smart Tools and Software

Emax 2 and Tmax XT drawing selector

Drawing selector - Emax 2

Thanks to this selector it becomes easy to find and download the desired 2D and 3D for SACE Emax 2 breakers.

Use the category filters to start your search. You can also search for a key word in the code description

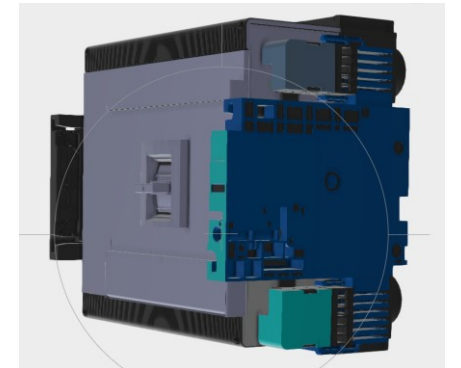


Emax 2 drawings

Drawing selector – Tmax XT

Thanks to this selector it becomes easy to find and download the desired 2D and 3D for SACE Tmax XT breakers.

Use the category filters to start your search. You can also search for a key word in the code description



Tmax XT drawings

ABB Smart Tools and Software

EPLAN

EPLAN

EPLAN is a 3rd party software house providing software and service solutions in the fields of electrical, automation and mechatronic engineering.

Developing one of the world’s leading design software solutions for machine, plant and panel builders, partners with ABB to provide efficient engineering of ABB Energy Distribution Systems with EPLAN.

EPLAN

PARTS LIST ABB



ABB Smart Tools and Software

e-Configure enclosures

e-Configure enclosures

Configure your switchgear system with e-Configure Enclosures :

- Quick planning of the verified design switchgears saves additional design cost
- The Software tools guarantees simplified manufacturing of pre tested solutions
- Auto-configuration via Partner Hub basket
- Shared projects enable online collaboration

[ABB PARTNER HUB](#)[VIDEO](#)

ABB Smart Tools and Software

ABB e-Design Software (soon to be replaced)

e-Design suite

ABB e-Design is an engineering software suite for designing an electrical system, optimizing production times to the maximum, thanks to the ability to access a product portfolio to be used in synergy through intuitive and simple functionalities. **Will be replaced by Partner Hub with its related applications soon.**

It offers three main features

- Electrical Networks dimensioning
- Switchboard configuration and engineering
- Quotation

e-Design

VIDEOS

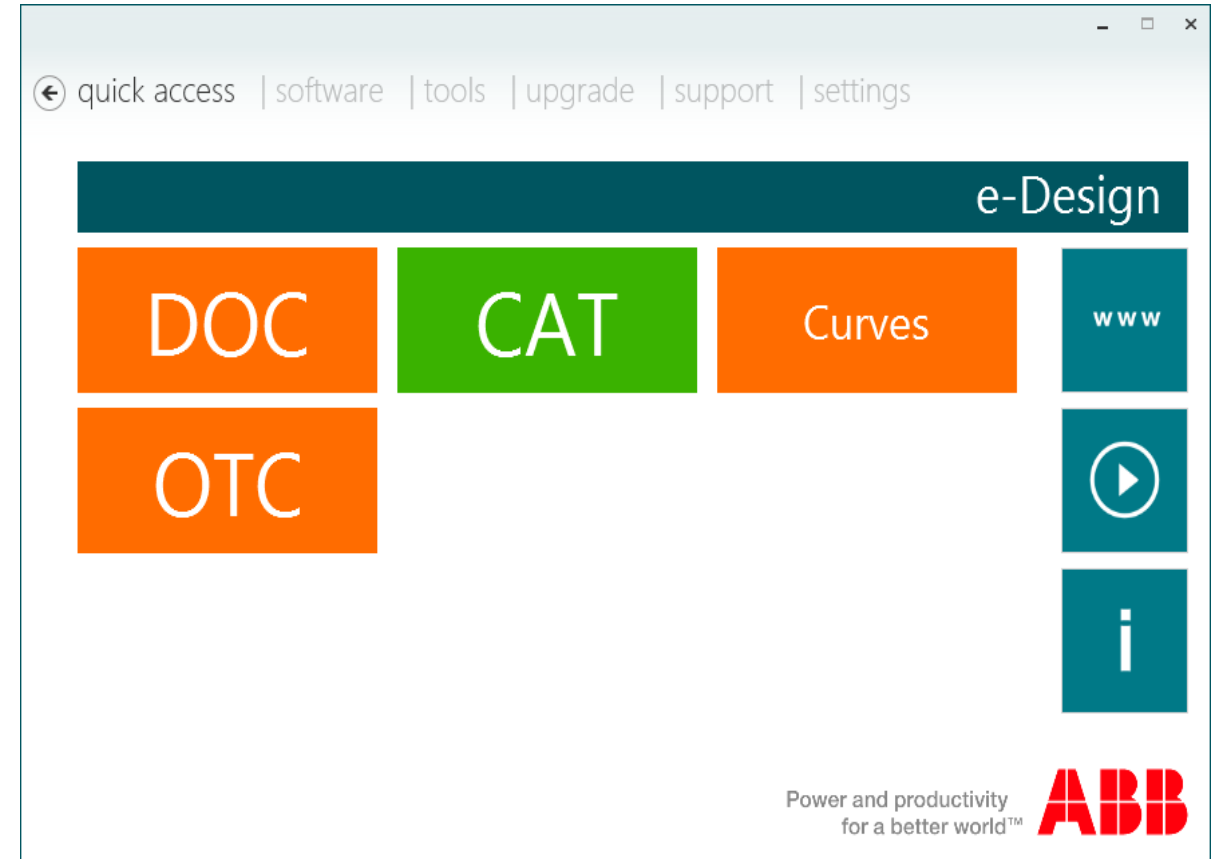


ABB Smart Tools and Software

ABB e-Design Software (soon to be replaced)

DOC

Software for designing and calculating single-line diagrams for low and medium voltage electrical installations, for choosing protection and operating devices, and for checking and coordinating the protections.

DOC

Curves

Software for designing, calibrating and to printing the trip curves of the protection devices

Curves

OTC

Thermal calculation software that allows you to check the thermal behaviour of switchgear and to size fans and air conditioners to be installed in the switchgear

OTC

ABB Smart Tools and Software

ABB e-Design Software (soon to be replaced)

CAT

Software for preparing technical/commercial estimates for ABB SACE products, and to facilitate the creation of quotations and offers.



CAT

PDC

Software for designing switchboards



PDC

ABB Smart Tools and Software

SMISLINE TP Configurator

SMISLINE TP Configurator

SMISLINE TP Configurator as a web-based application linked with ABB Partner Hub.

- **Web environment:** accessible via any desktop PC or tablet immediate configuration and easy sharing
- **Distribution and Socket Management:** design an entire platform via drag & drop manage busbar loads on the fly
- **Export and reuse configuration:** projects are stored and can be edited share the BOM and sockets distribution specifications and challenges to ABB solution.

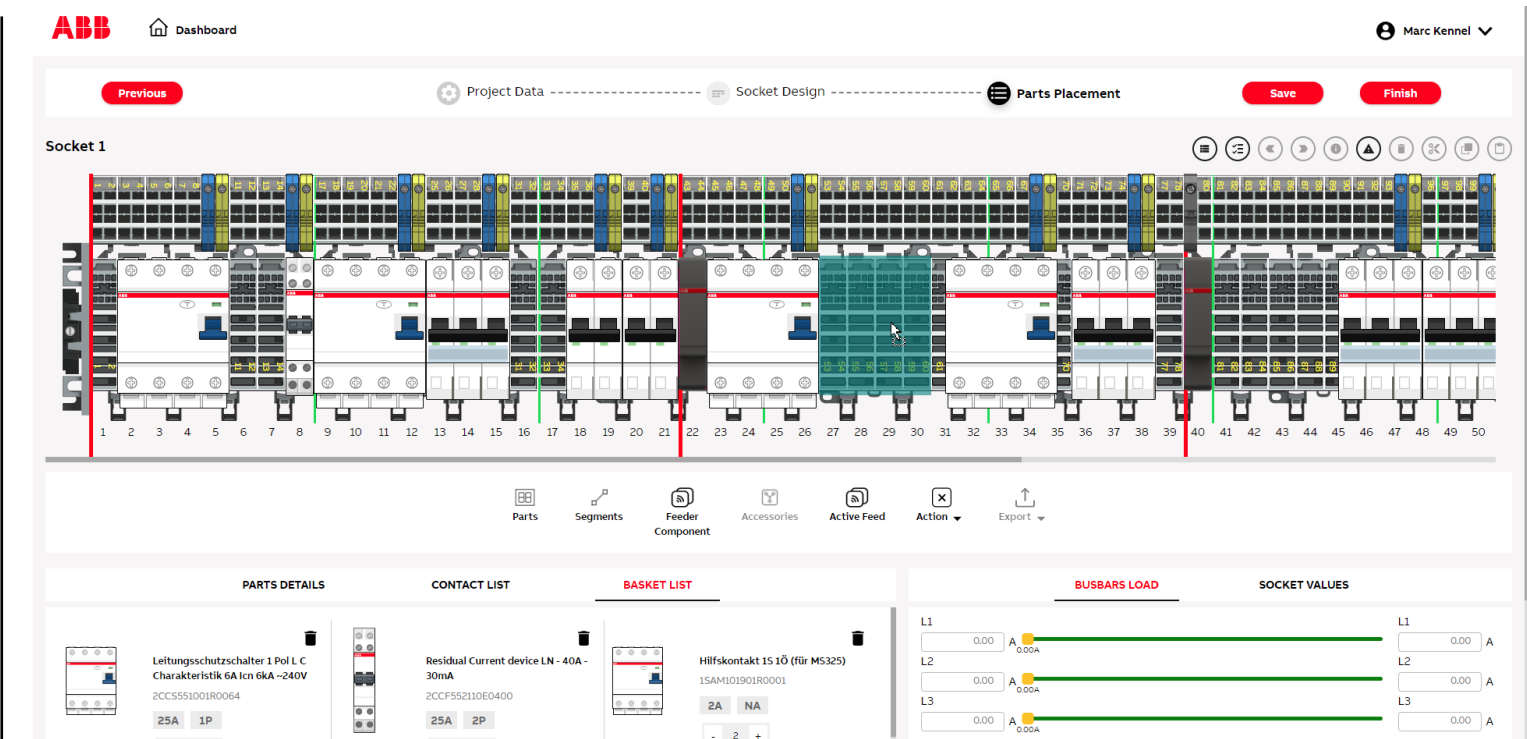
[Smissline APP](#)
[VIDEO](#)


ABB Smart Tools and Software

Simulators and commissioning tools

ABB Smart Tools and Software

ABB i-bus® Tool

ABB i-bus® Tool

- **Device handling:** Quick and easy overview of device status, activated device functions and parameter settings
- **Troubleshooting:** Easy to validate why a channel is not switching as expected (forced operation, load shedding, blocked by a safety alarm)
- **Commissioning & Maintenance:** Observation of real device behavior, e.g., forced operation, staircase function, load shedding stages and logic signals
- **Energy monitoring** - Display of the currently measured current, power and total energy consumption and supervise the load status

ABB i-bus® Tool

WEBSITE

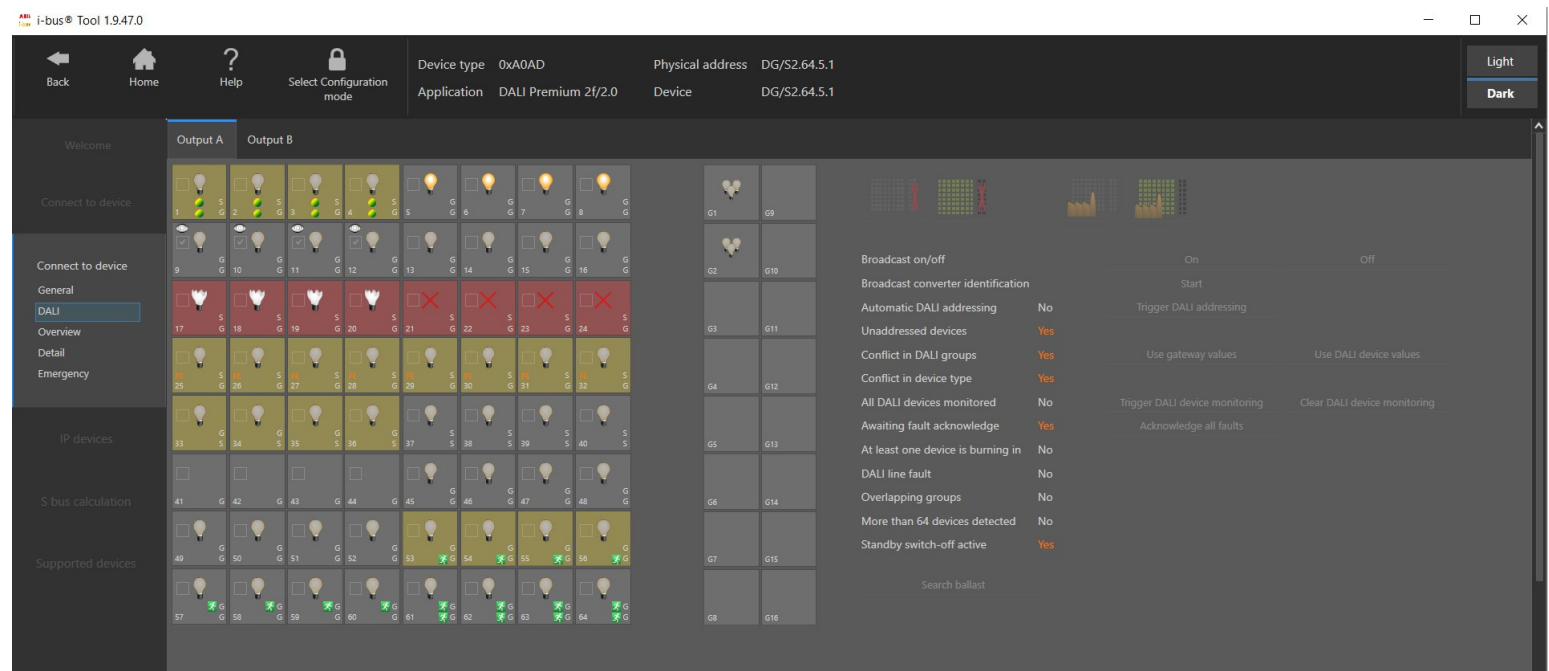


ABB Smart Tools and Software

CLOSER

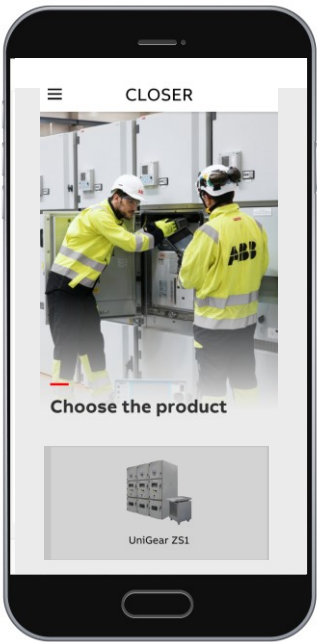
CLOSER

ABB’s innovative Electrification Service solution, **Collaborative Operations for electrical systems – CLOSER**, offers fast support and easy-to-access operation and troubleshooting guides via an immersive augmented reality experience

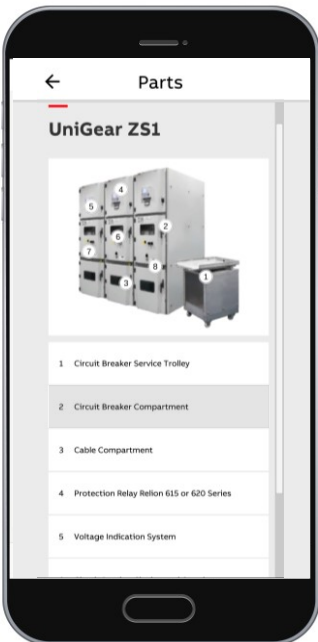
[Google Play](#) or [Apple App Store](#)

Further assistance [RAISE - Remote Assistance for electrical systems](#)

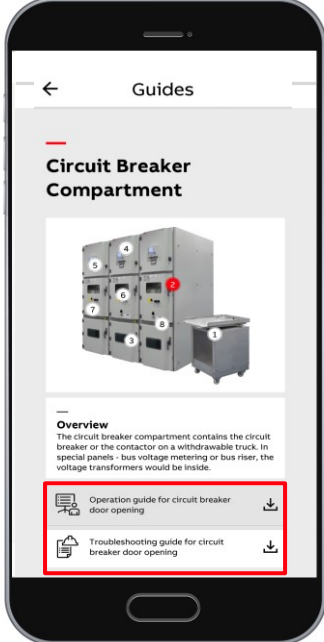
CLOSER



Product selector



Parts selector



Guides & Trouble shooting



Augmented reality application on site

ABB Smart Tools and Software

Ekip Connect 3

Ekip Connect 3

Ekip Connect 3 is a simple and intuitive to use software for scanning and testing the communication network, interacting with devices belonging to different families: Breakers (e.g. Ekip Touch or Ekip Hi-Touch trip units, Tmax XT), Switches and Fusegears (e.g. TruOne), Power Meters (M4M), Gateways.

It is available for Windows O.S. with PCs, Desktop and Laptop.

It allows:

- interaction and data exchange with one or more trip units;
- rapid access to diagnostics and records of events, alarms and tripping;
- the commissioning of your setup also interacting with Marketplace protections packages and all-in-one tools;
- setting of protection functions and parameters.

Ekip Connect

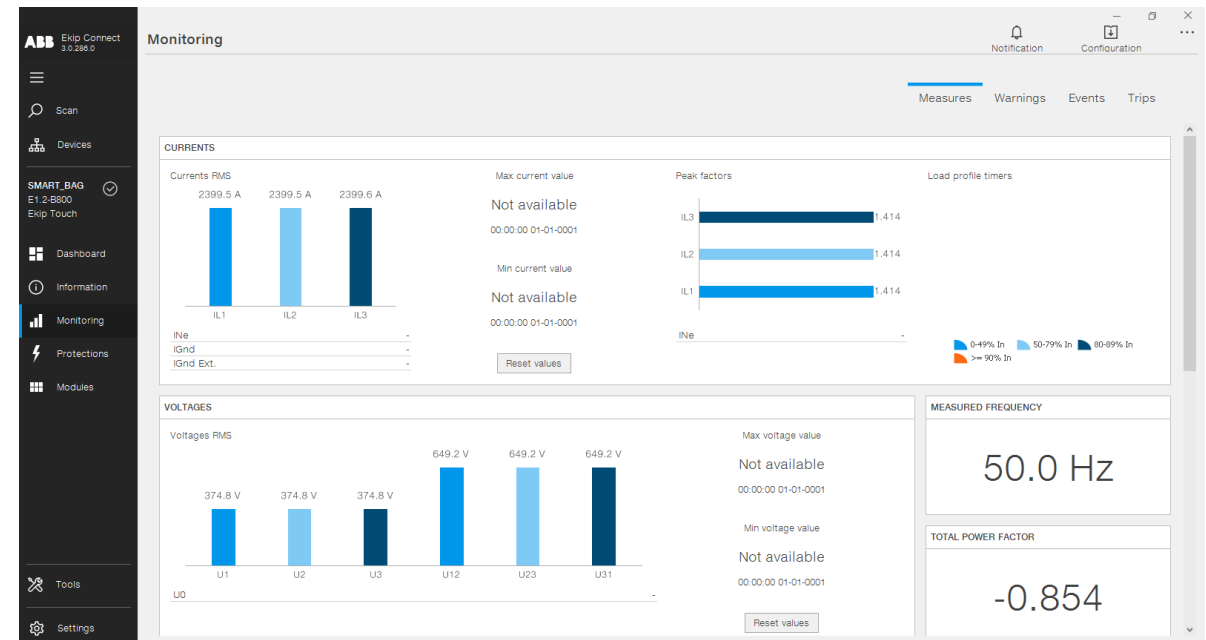


ABB Smart Tools and Software

Ekip Connect 3

Ekip T&P Interface

This software is embedded in the Ekip Connect software and is accessible with the Ekip T&P device. It allows:

- Verification of correct functioning of the Ekip trip units during commissioning and system maintenance
- Simulation of currents flowing through the trip unit (test of protection functions)
- Simulation of currents and voltages with harmonic distortion

The software creates and stores all reports, keeping a record of the tests carried out and essential information such as the operator name, date, serial number of the circuit-breaker, type of test and the result.



Ekip T&P - Programming and Test unit

Ordering Code : [1SDA066989R1](#)

ABB Smart Tools and Software

EPiC Mobile

EPiC Mobile

EPiC is the new mobile application that can offer a suite of functionalities to get a unique experience with **low voltage** and **automation products**: easy and smart product configuration, installation, commissioning and assistance.

EPiC means **Electrification Products intuitive Configurator** and lets installers, maintenance technicians and panel builders go beyond their usual way of working.



Speed up your work

#simple #accessorizing #augmented-reality #QR-code



Safety and protection

#commissioning #connectivity #NFC #Bluetooth #WiFi Direct



Continuous operation

#assistance #ABBexperts #livesupport #sustainability

EPiC Mobile

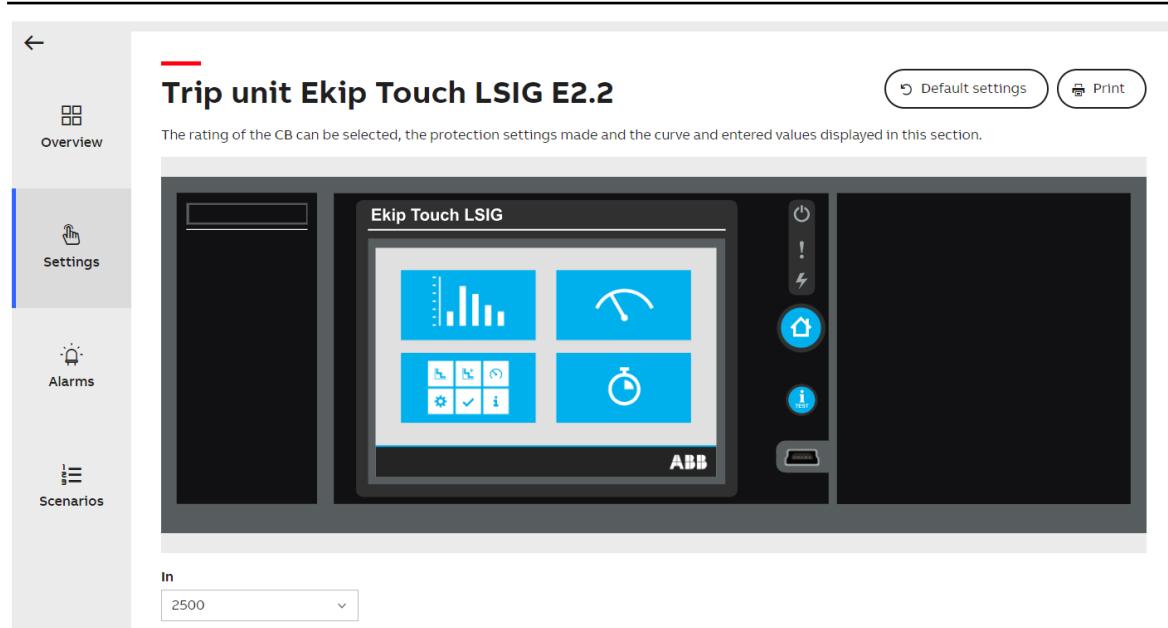


Available on [Google Play](#) or [App Store](#) and more than [10 Chinese stores](#)

ABB Smart Tools and Software

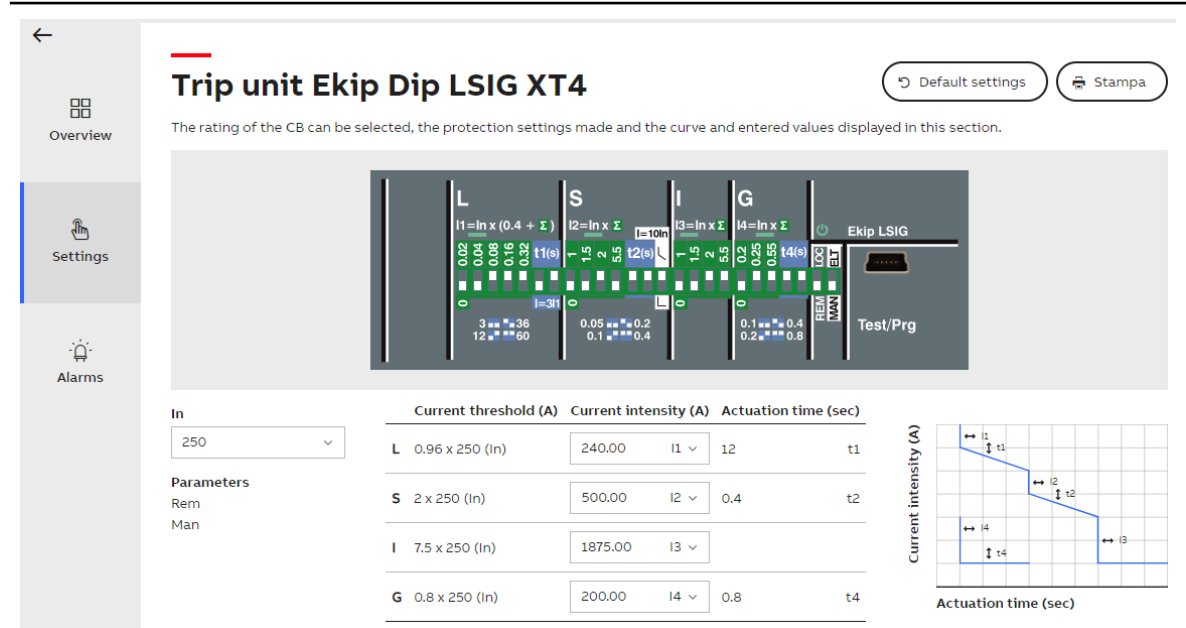
Emax 2 and Tmax XT trip unit simulators

Emax 2 trip unit simulator



Emax 2 trip unit simulator

Tmax XT trip unit simulator



Tmax XT trip unit simulator

ABB Smart Tools and Software

PSTX Softstarters Simulator

PSTX Simulator

Software application for testing and learning more about PSTX softstarter. Simulate a motorstart in your computer. Easy way to learn the menu and parameters.

HMI, Inputs, Outputs, Faults, Protections and warnings can be simulated using the PSTX Softstarter Simulation tool.

PSTX Simulator

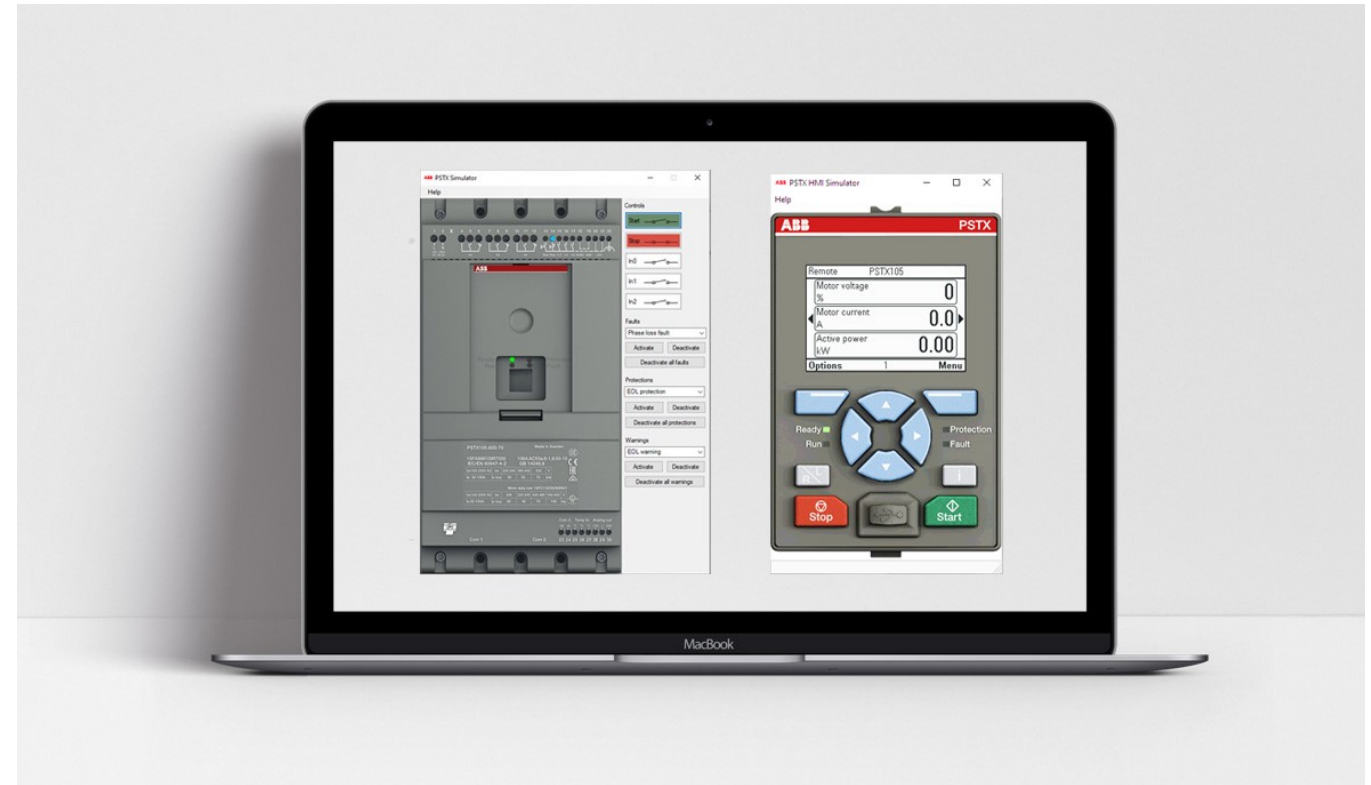


ABB Smart Tools and Software

S4M for M4M meters

Setup4Meter

S4M is the latest **free to download** digital **APP** assistant in the configuration and monitoring activity of our M4Ms.

- **Configure** devices following a simple, quick configuration wizard from basic to advanced
- Create configuration **templates** and apply them to multiple devices
- **Share** configuration templates and data readings with colleagues
- **Monitor** all KPIs in one screen, including cumulative energy data of multiple M4Ms at a time

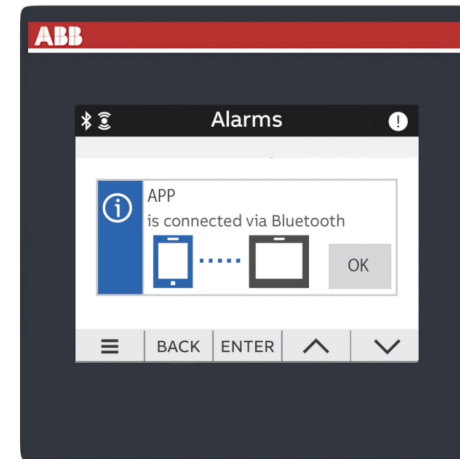
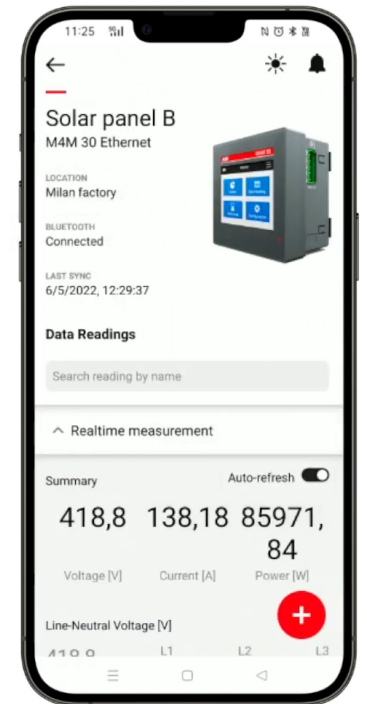
[Setup4Meter](#)[VIDEO](#)[HOW-TO VIDEO](#)

ABB Smart Tools and Software

The relay explorer RXplore

The relay explorer RXplore mobile application is designed for operators and site engineers to improve the ease-of-use and increase productivity, at site, during maintenance of protection relays.

The app enables a secure connection to the ABB cloud and to selected ABB protection and control relays, and ABB monitoring and diagnostic devices.

RXplore supports downloading data from ABB's cloud service as well as visualization, parameterization and sharing fault information at site.

The RXplore application is available free-of-charge from [Google Play](#) and [App Store](#)

The relay explorer RXplore



ABB Smart Tools and Software

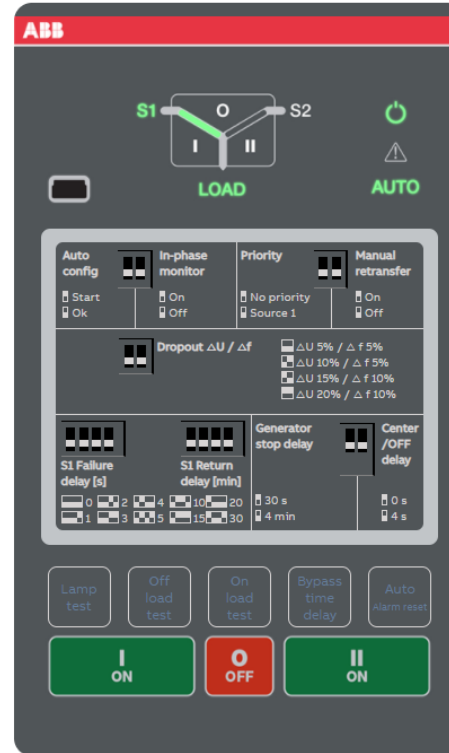
TruOne ATS Virtual HMI

Virtual HMI

Trip Unit Simulators can be found on [TruOne ATS](#) Page (under Tools and support>Virtual HMI)

Browse through the ATS functions and modify settings just like with a real TruONE ATS Levels 2 and 4 HMI.

For additional information on the different settings, first click on the round “?” symbol and then any part of the HMI. Return to the normal mode by clicking the “?” symbol again.



TruONE™ Virtual HMI Level 2



TruONE™ Virtual HMI Level 4

ABB Smart Tools and Software

Video Manuals

Emax 2 and Tmax XT

Instruction guide videos showing the main installation activities on ABB circuit breakers

Breaker accessories installation videos

On instruction manuals, QR codes have been implemented that by scanning these code, you will be automatically directed to the corresponding installation video



[Emax 2 video manuals](#)

[Tmax XT video manuals](#)

System Pro E Power

Instruction guide videos showing the installation of System pro E power enclosures



[System pro E power enclosures](#)

ABB Smart Tools and Software

Video Manuals

Emax 2 touch screen trip unit setting

Discover how to get the most out of Emax 2 circuit breaker.

We are pleased to present a complete series of video tutorials showing details of the main Ekip trip units' functionalities.

You can watch the videos on youtube or download them to showcase to our customers.

[ABB Emax 2 ACB](#) embeds more and more functionalities to become the all-in-one solution able to manage the low-voltage distribution systems.

[Emax 2 trip unit video tutorials](#)



ABB Smart Tools and Software

Selection tools

ABB Smart Tools and Software

DriveSize

DriveSize

DriveSize helps to select an optimal motor, drive and transformer. DriveSize can also be used to compute network harmonics and to create dimensioning documents.

It contains current versions of our motor and drive catalog.

Two versions are available:

- [DriveSize Web](#) for online users
- [DriveSize software](#) that can be installed on a PC.

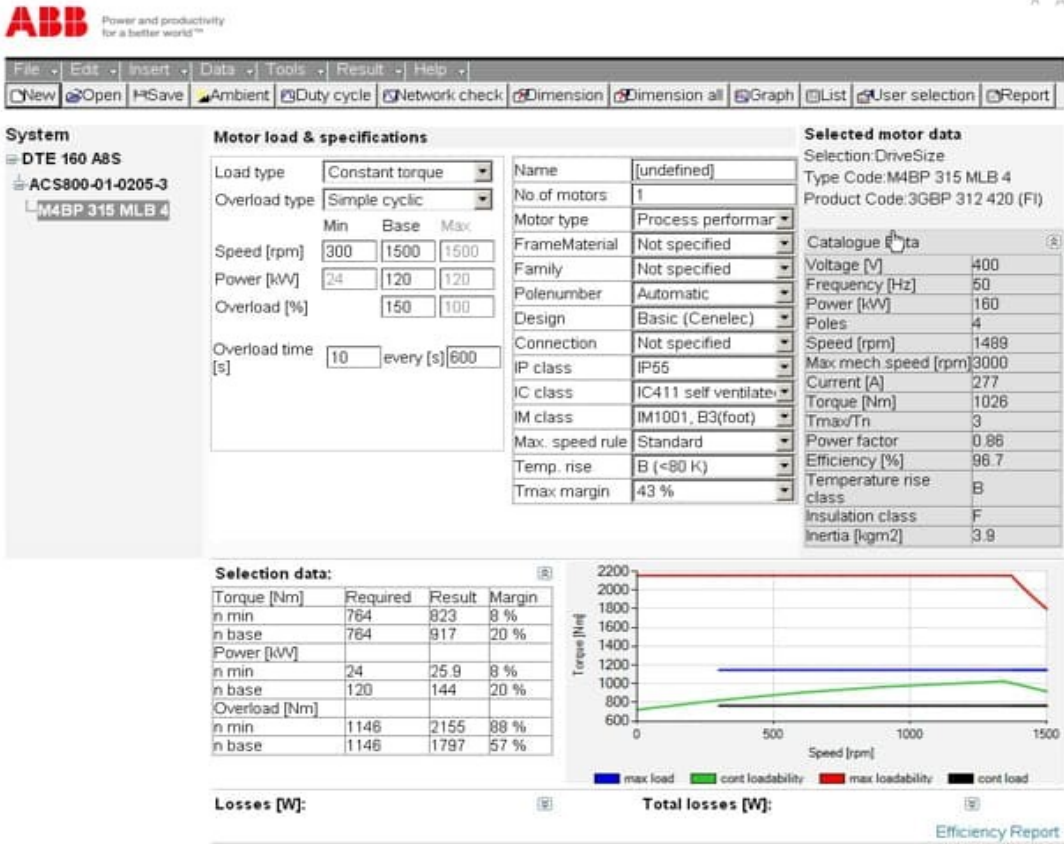


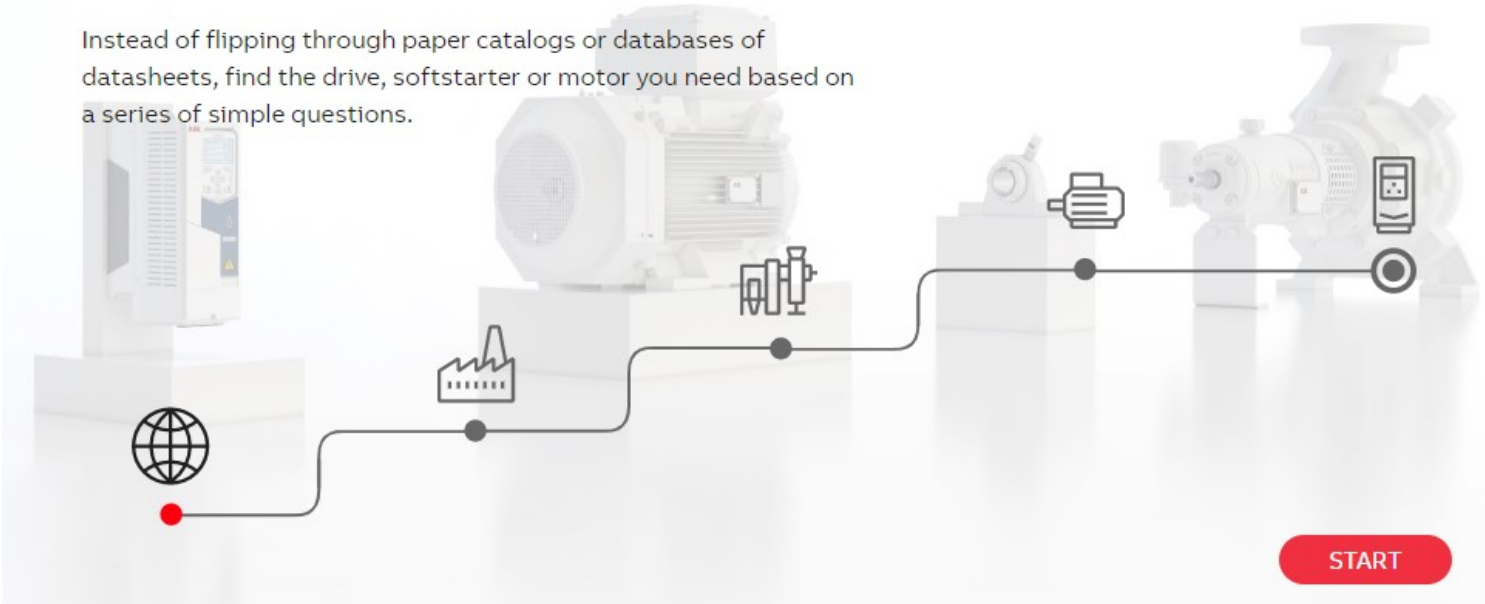
ABB Smart Tools and Software

Drive, Softstarter and Motor Selector

Drive, Softstarter and Motor Selector

Drive, Softstarter and Motor Selector gives you a simple way to find the drive, Softstarter or motor you need based on a series of simple questions

Instead of flipping through paper catalogs or databases of datasheets, find the drive, softstarter or motor you need based on a series of simple questions.



Drive, softstarter and motor selector

Other drive tools

ABB Smart Tools and Software

EV charger selector

EV charger selector

EV Charger selector is a quick tool for selecting the optimum EV Charger that best fits your application based on

- Location type
- Parking Time

ABB EV charging
Landing page

EV charger selector













Product	Solution	Parking Time	Installation	Cost
<div><u>Terra AC Wallbox</u></div> <div></div>	<div>Retail</div> <div></div>	<div>8 hours</div> <div></div>	<div></div> <div>Simple</div>	<div>\$</div>
<div><u>Terra DC Wallbox</u></div> <div></div>	<div>Retail</div> <div></div>	<div>< 2 hours</div> <div></div>	<div></div> <div>Moderate</div>	<div>\$</div> <div>\$</div>
<div><u>Terra 54</u></div> <div></div>	<div>Retail</div> <div></div>	<div>< 1 hour</div> <div></div>	<div></div> <div>Advanced</div>	<div>\$</div> <div>\$</div> <div>\$</div>

ABB Smart Tools and Software

e-Configure Software

e-configure

e-Configure is a new product and application configuration tool that makes configuring and ordering solutions simpler and quicker for ease of business.

e-Configure allows you to configure and build a bespoke product and create a unique personalized product code for when you need to re-order.

ABB is leading the digital business transformation with solutions like e-Configure.

e-Configure

VIDEO

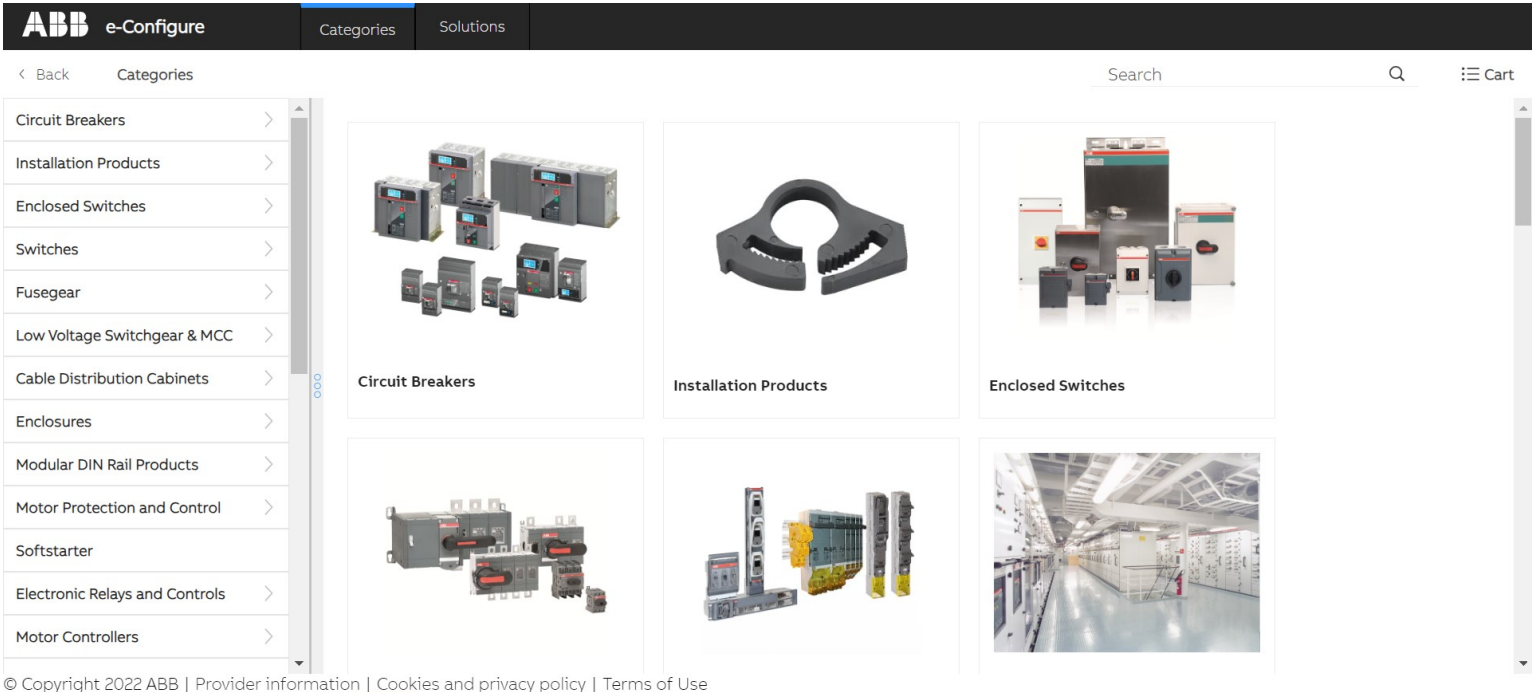


ABB Smart Tools and Software

Relays-Online

ABB Relays-Online

ABB Relays-Online makes finding, selecting, ordering, and tracking the delivery of your next digital substation product quick and easy.

The e-business platform is the place to take your daily power distribution protection and control business to the next level.

The Relion® product family offers the widest range of products for the protection, control, measurement and supervision of power systems for IEC and ANSI applications.

ABB Relays-Online

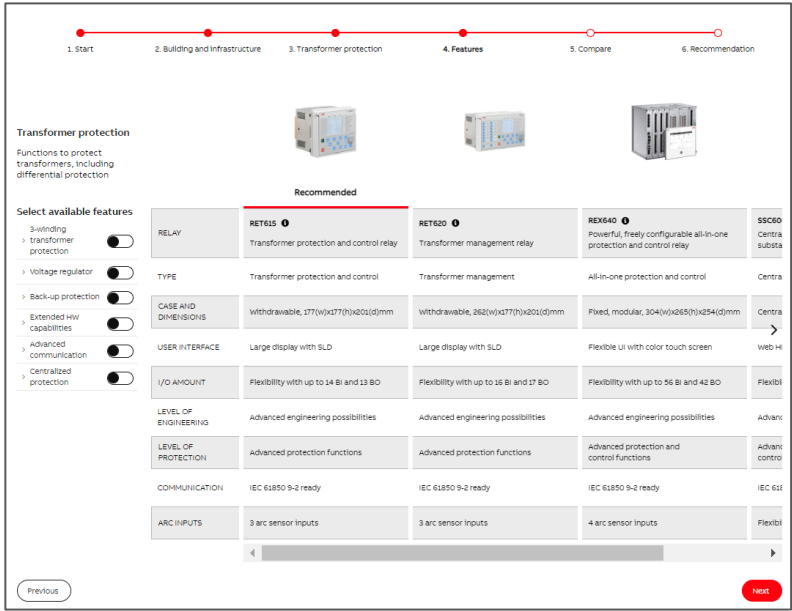
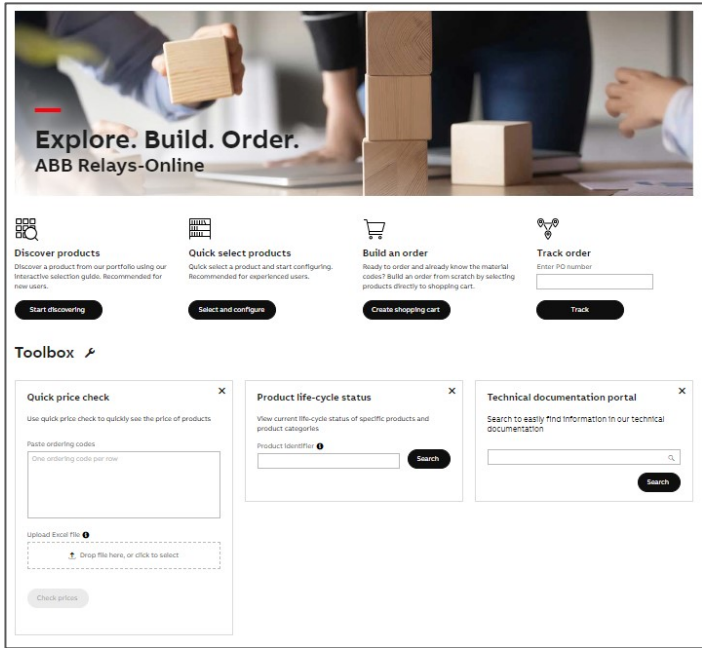
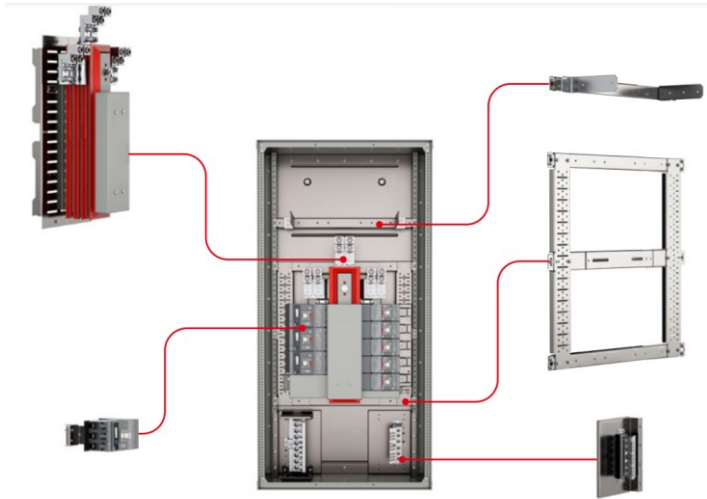


ABB Smart Tools and Software

ReliaGear® OEM drawing selector for Lighting and Power Panelboards and Switchboards

ReliaGear® OEM drawing selector (NEMA)

Easily access drawings for ReliaGear NEMA panelboards, by category or SKU.



DRAWING SELECTOR

TUTORIAL

ABB

Drawings Selector

ReliaGear OEM Lighting Panelboard, Power Panelboard, and Switchboard

Tutorial

Reset Filters

Product Line

Lighting Panel (LP) X

Select

Product Category

(LP) Lighting Panel Interior X

Select

Main Type

Select

Amperage

Select

Search By SKU

Search

Type	Description	Part Type	Document
2D	OEM Lighting Panel w/ Main THQB	Lighting Panel Interior	1TQC173000E022
2D	OEM Lighting Panel w/ Main TEY	Lighting Panel Interior	1TQC173300E0023
2D	OEM Lighting Panel w/ Main A2	Lighting Panel Interior	1TQC173300E0024
2D	OEM Lighting Panel w/ Main XT1	Lighting Panel Interior	1TQC173300E0025
2D	OEM Lighting Panel w/ Main XT4	Lighting Panel Interior	1TQC173300E0026

ABB Smart Tools and Software

SOC - Selected Optimized Coordination

SOC

Selected Optimized Coordination is a web tool for the selection of ABB products based on tests carried out in the laboratories according to IEC/ UL standards

It can be used in the following applications:

- Motor starting and protection
- Selectivity between protection devices
- Back-up protection
- Other devices protection

[SOC](#)[Quick Start guide](#)

SOC - Selected Optimized Coordination



Motor protection



Selectivity



Back-up



Other Devices protection

ABB Smart Tools and Software

Softstarters Selection Tool (Prosoft)

ProSoft

The [Softstarters Selection Tool \(Prosoft\)](#) is a tool that will help you choose the right soft starter according to your specific motor and load characteristics.

The optimum Softstarter can be selected through three steps

- Plant, Motor and Load data
- Parameters setting
- Results and generating final report

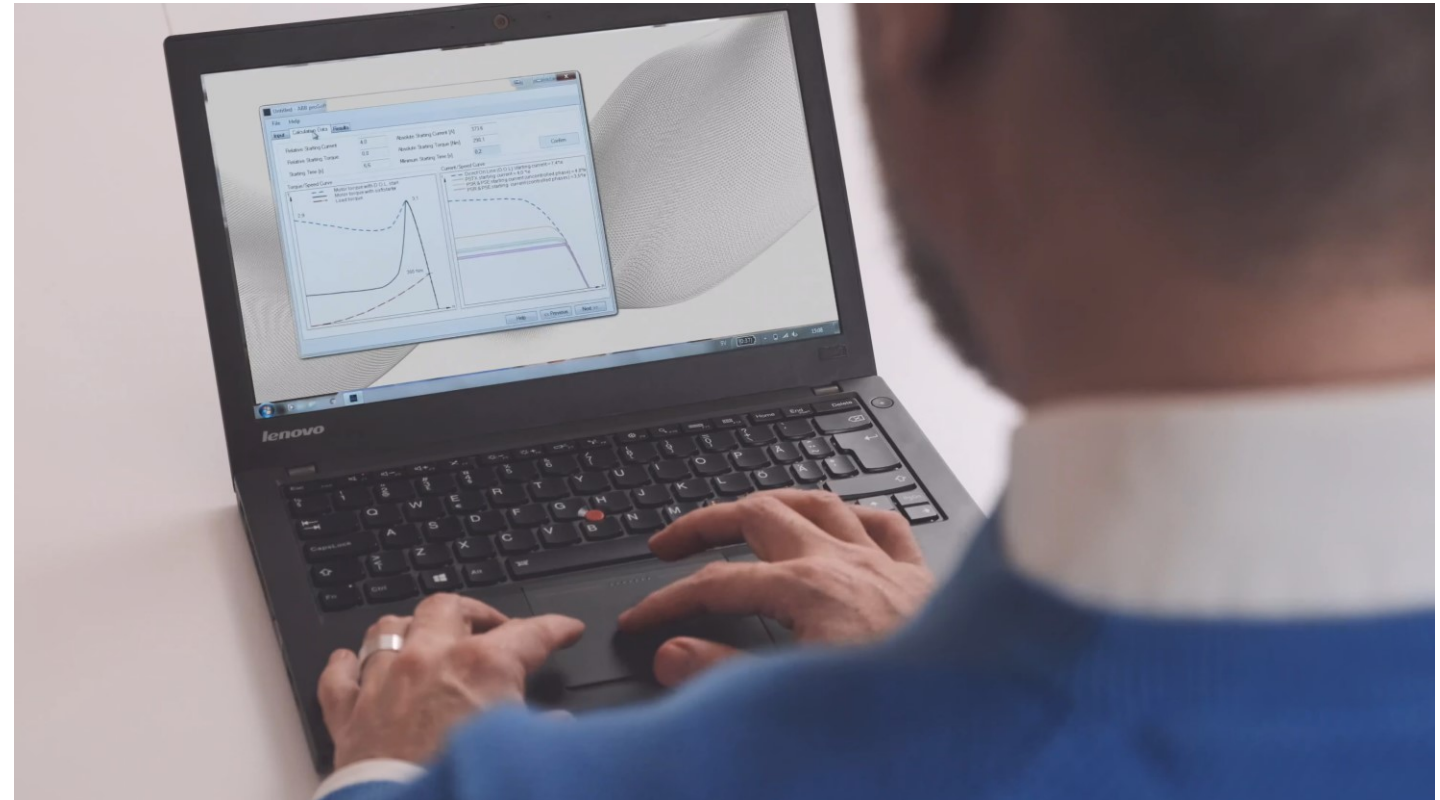
[ABB proSoft](#)[Tutorial](#)

ABB Smart Tools and Software

SCCR Resource Hub - NEMA

UL SCCR Slide Rule

Back by popular demand, our UL SCCR slide rule has been updated with the most current testing and product information.

Whether you are developing a new panel or manufacturing a product which has been a proven winner for your company, it's tempting to want to continue to use the same components time and again.

However, incorporating newer components could improve your productivity, efficiency, and maximize system reliability. Don't let the seemingly daunting task of recalculating the SCCR keep you from improving your control panel design. Our experts have compiled these resources to help and are available to answer your questions.

[SCCR Resource Hub](#)
[Request Slide Rule](#)


ABB Smart Tools and Software

UPS Selector

UPS Selector

UPS Selector provides efficient way to find solutions for power resilience needs.

UPS selector tool helps organizations identify the right Uninterruptible Power Supply (UPS) solution for their specific requirements. The easy-to-use tool quickly guides customers to find recommended UPS solutions based on four simple questions.

- Time-saving digital tool supports quick research and decision making
- Identifies right UPS solution from ABB's unique, comprehensive range

UPS Selector



ABB Smart Tools and Software

References

ABB Smart Tools and Software

ABB Ability™ Solutions

ABB Ability™ Solutions

ABB Ability™ solutions deliver a safer, smarter, more sustainable electrical infrastructure by providing data-driven insights that enable you to reduce costs, increase comfort, and drive efficiency.

[ABB Ability™ Overview](#)

[ABB Ability™
Energy & Asset Manager](#)

[Customer reference selector](#)



ABB Smart Tools and Software

ABB channel partners page


Panel Builders/Distributors

ABB is committed to bring you products and services in the fastest and most efficient manner.




Our extensive network of channel partners are qualified to offer you a whole range of ABB's electrification products to ensure smarter, safer and more reliable flow of electricity.

Partners are listed in a geographical navigation

ABB Channel Partners



Products ▾ Industries ▾ Service ▾ Media Careers Investors ▾ About ▾ Contact us



Where to buy

ABB channel partners deliver services in seamless cooperation with ABB. They bring ABB's products and services straight to your front door. The ABB channel partners have in-depth knowledge of local markets and are conversant with the defined ABB products and processes.

ABB Channel Partners

Channel Partners



Region	Count
North America (USA, Canada, Mexico)	91
South America (Venezuela, Colombia)	4
Europe (UK, Germany, Poland, France, Italy, Spain, Portugal, Greece, Turkey, Ireland, Austria, Czech Republic, Slovakia, Hungary, Romania, Bulgaria, Croatia, Slovenia, Serbia, Montenegro, Albania, Bosnia and Herzegovina, Macedonia, Kosovo, Albania, Greece, Turkey, Iraq, Iran, Afghanistan, Pakistan, India, Thailand, South Korea, Japan, China, Mongolia, Kazakhstan)	2225
Asia (India, Thailand, South Korea, Japan, China, Mongolia, Kazakhstan)	180
Africa (Algeria, Libya, Egypt, Saudi Arabia, Sudan, Chad, Niger, Mali, Nigeria, Ethiopia)	162
South Asia (India, Pakistan, Bangladesh, Sri Lanka, Nepal, Bhutan, Maldives)	83
East Asia (China, Japan, South Korea, Taiwan, Hong Kong, Macao)	64

ABB Smart Tools and Software


ABB Electrification

ABB Electrification




Powering the future


With ever increasing urbanization and the world forging ahead to create a low-carbon future, ABB is supporting with digitally connected, ABB Ability™ enabled solutions and services.

ABB Electrification




Products ▾ Industries ▾ Service ▾ Media Careers Investors ▾ About ▾ Contact us






Smart Industry

Learn more




E-mobility solutions

Learn more




Smart Living

Learn more




Smart Power

Learn more



Smart Cities

Learn more



Smart Distribution

Learn more

ABB Smart Tools and Software

ABB Electrification

ABB Electrification

Navigation example:

If you need to go to Emax 2 Air Circuit Breaker Page

Go to [Low Voltage products web page](#)

1. Select the Electrical Distribution
2. Select Circuit breakers
3. Select Emax 2

Low voltage

Solutions



Electrical installation

↓



Electrical distribution

↑



Automation, control and protection

↓



Building technologies


↓



Residential solutions




Low voltage products offering A-Z




Contactors and contactor relays

Motor starters, 3 and 4-pole contactors, contactor relays and more




Modular DIN-

The established S




Pilot devices

Operators, pilot




Switches

Switch-discon




Circuit breakers

Air and moulded case circuit breakers




Emax 2

Air circuit breakers up to 6300A. From circuit breaker to power manager




Tmax XT

Molded case circuit-breakers up to 1600A. Break new ground



Tmax T

Molded case circuit-breakers from 320A up to 3200A



SACE Infitus

Low voltage solid-state circuit-breakers

ABB Smart Tools and Software

ABB e-Finder

ABB e-Finder

ABB eFinder is designed as an easy-to-use 'where to buy' online search feature, which allows you to search for electrification products by product ID and locate the distributors carrying that stock near you. It shows the quantity of items available and the date the inventory was last updated, with direct links to purchase via online distributor webshops.

ABB eFinder is available in:
[Algeria](#), [Argentina](#), [Belgium \(FR\)](#), [Belgium \(NL\)](#), [Brazil](#),
[Canada](#), [Chile](#), [Denmark](#), [Finland](#), [France](#), [Greece](#), [India](#),
[Indonesia](#), [Italy](#), [Kuwait](#), [Malaysia](#), [Mexico](#), [Netherlands](#),
[Peru](#), [Poland](#), [Puerto Rico](#), [Saudi Arabia](#), [Singapore](#),
[South Africa](#), [South Korea](#), [Spain](#), [Sweden](#), [Thailand](#),
[Turkiye](#), [UK](#), [US](#), [Vietnam](#)



ABB Smart Tools and Software

ABB Learning Youtube channel

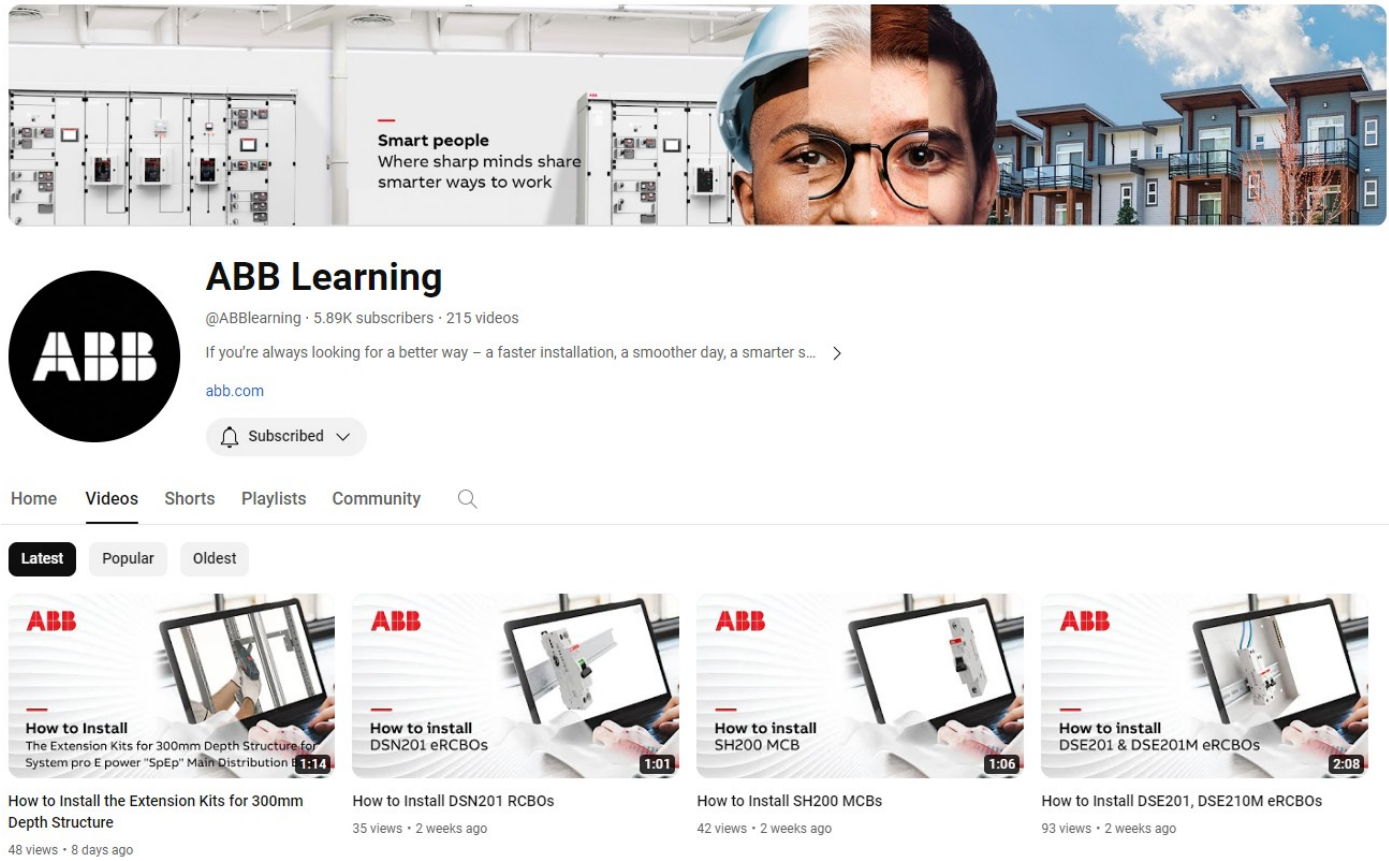
ABB Learning Youtube channel

If you’re always looking for a better way – a faster installation, a smoother day, a smarter system – this channel is for you.

Here, you’ll get practical support with ABB electrification solutions and connect with other sharp thinkers.

Videos are available in different languages like Danish, English, German, Italian, Finnish, French, Norwegian, Portuguese, Spanish, Swedish, Russian, etc.

**ABB Learning Channel
on Youtube**



Smart people
Where sharp minds share smarter ways to work

ABB Learning

@ABBlearning · 5.89K subscribers · 215 videos

If you're always looking for a better way – a faster installation, a smoother day, a smarter s... >

abb.com

Subscribed ▾

Home Videos Shorts Playlists Community 🔍

Latest Popular Oldest

How to install
The Extension Kits for 300mm Depth Structure for System pro E power "SpEp" Main Distribution f

1:14

How to Install the Extension Kits for 300mm Depth Structure

48 views · 8 days ago

How to install
DSN201 eRCBOs

1:01

How to Install DSN201 RCBOs

35 views · 2 weeks ago

How to install
SH200 MCB

1:06

How to Install SH200 MCBs

42 views · 2 weeks ago

How to install
DSE201 & DSE201M eRCBOs

2:08

How to Install DSE201, DSE210M eRCBOs

93 views · 2 weeks ago

ABB Smart Tools and Software

ABB Library

Download a document

After search and finding the required product, you can select any type of document to download from the Products and Document browser part

On the left you will find different document types as filters

For advanced search or documents in another language, click on the corresponding link and you will be directed to ABB Library.

ABB Library

Downloads for Emax 2

You now see 5 files within

All files (1393)

→ Advanced search

Show all (1393)

Popular documents (5)

Advertisement (13)


Application note (3)

Article (3)

Brochure (22)

CAD outline drawing (5)

Catalogue (9)

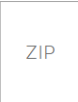


SACE Emax 2 - Operating instructions for the design engineer (Grey platform)

Summary: Emax 2 Circuit Breaker operating instructions for the design engineer

Manual - English - 2018-09-17 - 35,71 MB

PDF




Ekip Connect 3.4.3.0

Summary: Ekip Connect 3.4.3.0 is a tool for commissioning and configure Low Voltage circuit breakers and swit... (Show more)

Software - English - 2024-02-20 - 556,29 MB

ZIP



Instructions for using Ekip Touch protection releases and Accessories

Summary: Instructions for using Ekip Touch protection releases and Accessories

Manual - English - 2018-09-17 - 2,54 MB

PDF

©ABB

February 22, 2024

| Slide 56




ABB Smart Tools and Software

ABB Library

ABB Library

You can type the needed description and then click on search

You can also select the advanced search by choosing filters for:

- Category
- Document kind “type”
- Language

Library

Category

Document kind

Document language

Sort by

Search for...

All Categories > ABB Products > Low Voltage Products and Systems > Circuit Breakers > Air Circuit Breakers > Emax 2

Catalogue English

Documents found: 6

GET LINK

GET NOTIFIED

<div>PUBLIC</div> <div>Cat Spare Parts 2020</div> <div>ID:1SDC001007D0205, REV: A</div> <div>English</div>	Catalogue	2020-10-01	<div>PDF</div> <div>13,91 MB</div>
<div>PUBLIC</div> <div>SACE Emax 2 UL Catalog</div> <div>ID:1SXU200040C0201, REV: D</div> <div>English</div> <div>SACE Emax 2. New low voltage power circuit breaker according to ANSI C37 / UL 1066 standards (US version)</div>	Catalogue	2020-06-30	<div>PDF</div> <div>44,82 MB</div>
<div>PUBLIC</div> <div>SACE Emax 2. New low voltage air circuit-breakers</div> <div>ID:1SDC200023D0209, REV: E</div> <div>English</div> <div>SACE, Emax 2, Power Manager, All-in-one innovation</div>	Catalogue	2020-05-27	<div>PDF</div> <div>77,87 MB</div>

GET NOTIFIED

You can also subscribe to the result with the ‘Get Notified’ button

ABB Smart Tools and Software

About ABB

About

ABB is a technology leader in electrification and automation, enabling a more sustainable and resource-efficient future. The company's solutions connect engineering know-how and software to optimize how things are manufactured, moved, powered and operated. Building on more than 130 years of excellence, ABB's 105,000 employees are committed to driving innovations that accelerate industrial transformation.

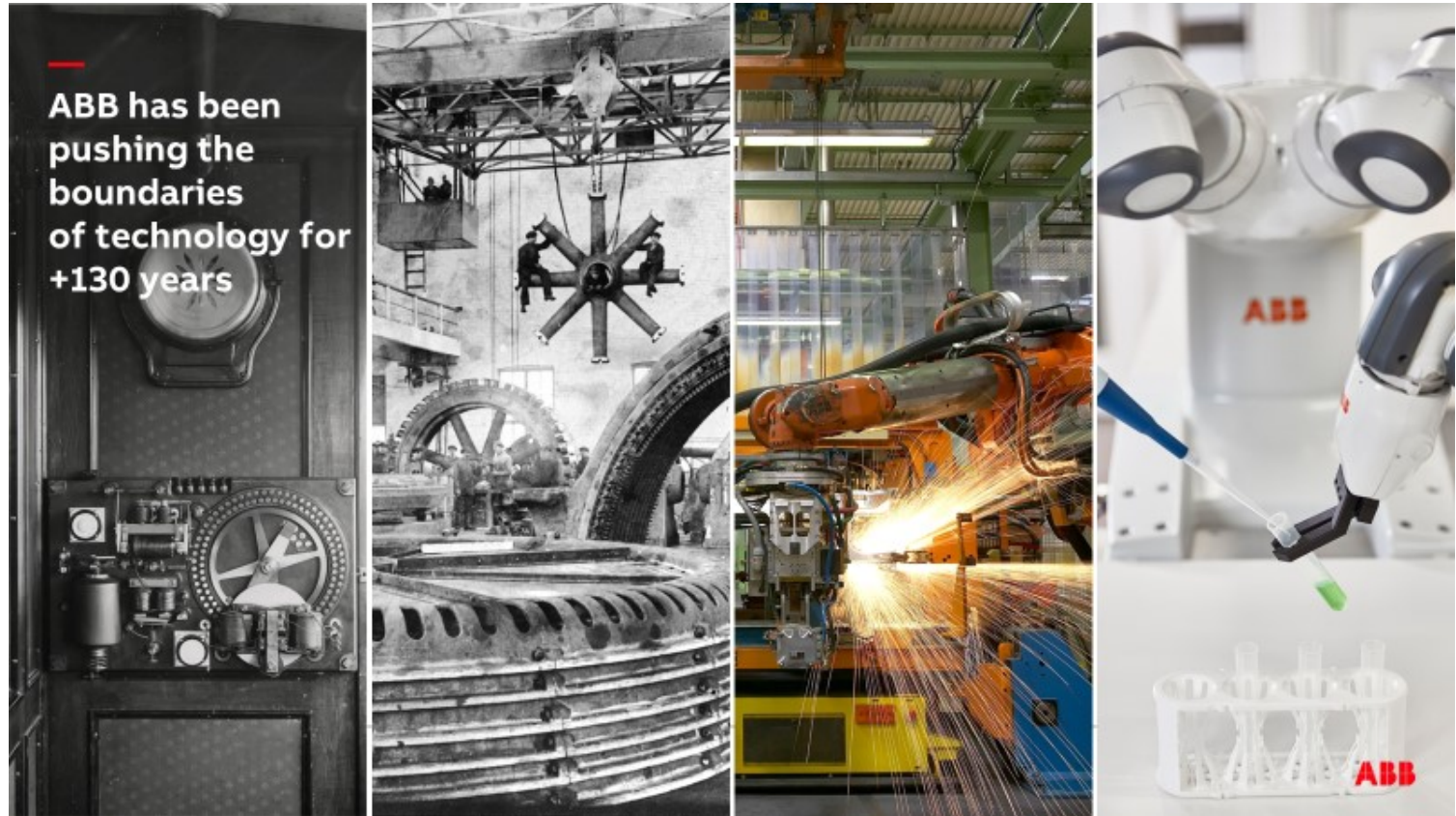
[Technology & Innovation](#)[History of ABB](#)[Heritage Brands](#)

ABB Smart Tools and Software

Case Studies

Case Studies

The casestudies.abb.com is a central repository of sales successes across the world and ABB businesses. It offers convenient user interface with useful search options to match needs of your sales presentation. The case study site contains external reference stories.

ABB Case Studies



Busch-Jaeger | Buildings | Industrial



State of the art solution for CO₂-neutral and energy self-sufficient factory

Germany

Challenge

To create the first ABB CO₂-neutral production site.

Solution

The technological centrepiece of the entire system in Luedenscheid is the scalable energy management system OPTIMAX® from the ABB Ability™ Energy Management Suite. The entire system brings together other ABB technologies that are digitally interconnected. For example, a battery energy storage system (BESS). In addition, ABB charging points, provide for an additional improvement in the regional eco-balance. This single-source energy management solution is rounded off by building automation solutions as well as smart switchgear for energy distribution.

Outcome

The installed ABB technology will generate enough power to cover on sunny days 100 percent of the factories power requirements. This intelligent ecosystem enhances energy efficiency, sustainability and resource conservation, enabling a genuine zero emission future for industry and beyond



630 tonnes
of CO₂ savings

Case Study © ABB 2024



ABB Smart Tools and Software

Communication Channels



ABB Smart Tools and Software

Contact ABB

Contact centers

You can also find the related contact information for any inquiry (product/system)

- [web inquiry form](#)
- Online chat
- Contact centers around the world

Contact centers

ABB

Products Industries Service Media Careers Investors About Contact us

Search icon, Currency icon, User icon

Contact centers

Contact us

Can't find what you are looking for?
Then contact us: [web inquiry form](#).

Channel Partners

Looking for an ABB Channel Partner?
Then visit our [Channel Partners search](#).

More contacts

For more contacts and information quickly go to the [bottom of this page](#).

ABB locations

Looking for an ABB address?
Find an [ABB location](#) nearest to you.

CONTACT CENTER	ONLINE CHAT	LOCAL PHONE NUMBER INTERNATIONAL NUMBER	CALLS ANSWERED IN THESE LANGUAGES	E-MAIL ADDRESS
Argentina	OFFLINE	0800 222 6700 +54 11 5984 3560	Spanish, English	contact.center@ar.abb.com
Australia	OFFLINE	1800 222 435	English	contact.center@au.abb.com

ABB Smart Tools and Software

EL Course finder


EL Course finder

EL Course finder is a standardized catalogue of courses and learning paths with minimum training meta data requirements.

A tool for our Customers and Channel Partners as well.


- Courses clustered by function & competency areas + additional specific topics
- Learning paths curation by training profile/areas of expertise
- Watch the Video Campaign on [ABB Electrification Official YouTube](#)


EL Course finder



Electrification CourseFinder

Distributor










ABB Electrification CourseFinder

 Search...

 Filters

Online courses1231

Learning Paths21

Default






ABB Ability™ Energy Manager

In this digital lesson you will learn basic information about the ABB Ability™ Energy Manager.

 30 min

 English


 Digital lessons

ABB Smart Tools and Software

ABB MyLearning

ABB MyLearning

Training programs for engineers, programmers, maintenance and operations personnel provide up-to-date technical expertise for existing and new products, processes, and technology advances.

- [Computer](#), [Android](#), [iOS](#) YouTube Guide
- [ABB Learning page on YouTube](#)
- [Guide for new users](#)
- [Learner Manual](#)
- [User Tips and Tricks](#)
- [FAQ](#)

ABB MyLearning

ABB MyLearning

CATALOG

ENGLISH

SIGN IN



Welcome to MyLearning!

For the best experience, please use **Microsoft Edge** or **Google Chrome** browsers.

Find support materials and help information in the **Footer**.

Top **Menu Bar** navigation tips:

Looking for new training?

- Go to **Catalog**.

Need to take training or find historical enrollments?

- Go to **My Learning** or **My Dashboard**.

Want to check personal data or account settings?

- Go to **My Profile**.



ABB Smart Tools and Software

Medium Voltage Switchgear 3D eCatalogue

MV Switchgear 3D eCatalogue

Do you need to explore our Medium Voltage Switchgear portfolio in 3D?

See the product details and informations in 3D view including technical specifications and all the parts and components including:

- MV Air Insulated switchgear
- MV Gas insulated switchgear
- Low voltage switchgear

[MV SWG 3D catalogue](#)

3D eCatalogue

MV Air Insulated Switchgear



MV Gas Insulated Switchgear



Low Voltage Switchgear

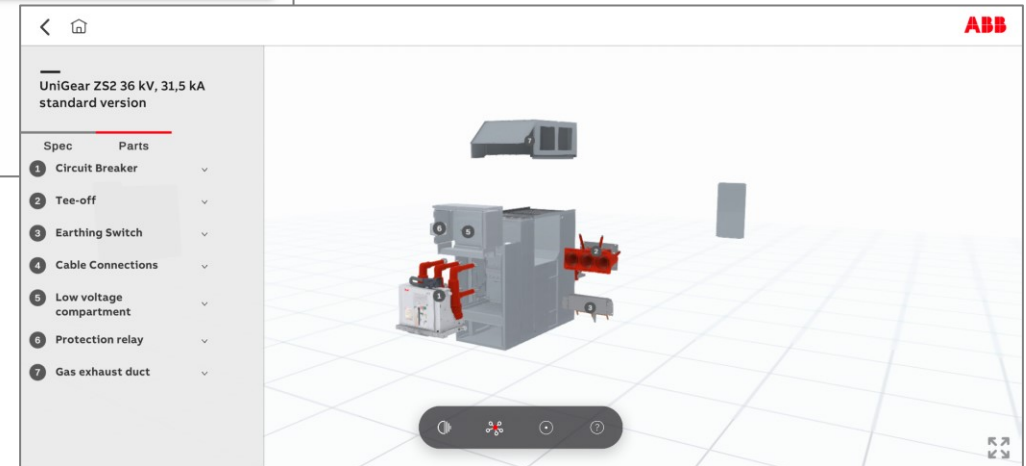


ABB Smart Tools and Software

References and handbooks

Technical documentation

You can download the technical references from [circuit breakers page](#) under technical documentation tab, other references can be found in the ABB library.

- Electrical Installation handbook
- Circuit Breaker – White papers
- Softstarter Handbook
- RCD Technical Guide
- LV Motor Guide

Tools & Support

Technical documentation

Software & applications

Multimedia applications

Electrical Installation handbook
Quick reference technical guide to explore plant protection, control and electrical devices.

Technical application papers
Thorough analysis of technical issues, Paper Series to explore ABB solutions suitable for consultants, sales engineer and big installers.

ABB Library

ABB Smart Tools and Software

Smart City and Infrastructure Portal

ABB Smart City

The interactive landscape shows some of the safe, smart and sustainable solutions that can contribute to the design of a comprehensive smart city.

ABB helps societies and industries to meet the growing demand for sustainable and reliable energy, water, buildings, transportation solutions and drives digitalization.

ABB Smart City



ABB Smart Tools and Software

Technical publications

ABB Review Magazine

ABB Review - the corporate technical journal - was first published in 1914 (being called BBC Review). For over a century, ABB has proudly published a corporate technical journal highlighting the company's innovations and technological advancements.

Articles are written by ABB employees from around the world and are read by engineers and managers in customer organizations. As such, the journal uses a technical language, speaking from engineer to engineer.

ABB Review is published quarterly in English, German and Chinese. Distribution is about 20,000 copies, in print and electronically.

ABB review



ABB Smart Tools and Software

Technical publications

Technical Application Papers

Thorough analysis of technical issues, the technical application papers collection investigate the low and medium voltage solutions suitable for consultants, sales engineers, big installers.

Each paper comprises the following sections:

- A theoretical outline of the technical issue;
- Solution obtained with ABB products;
- Appendix focusing on the technical issue presented in the Paper;
- Glossary.

QT LIBRARY

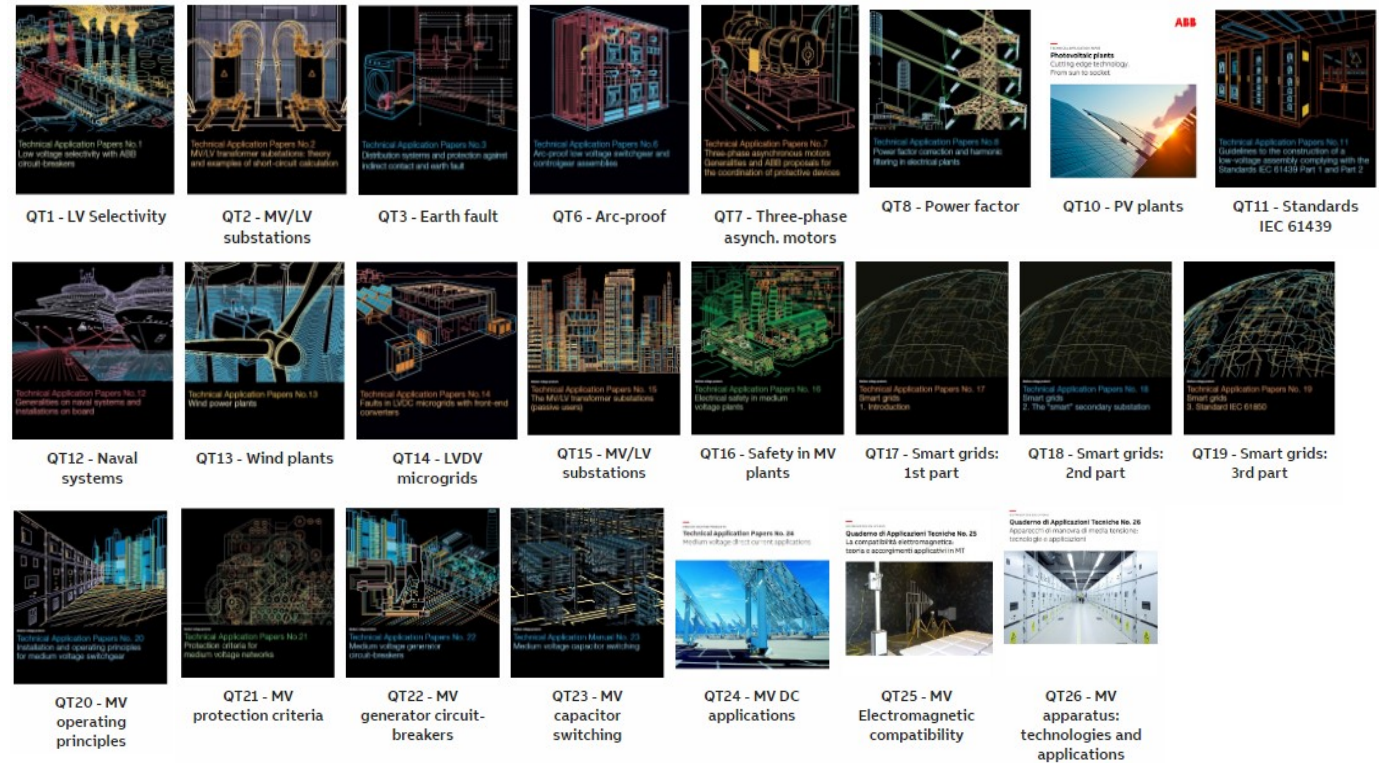




ABB Smart Tools and Software

Virtual factory tours

Vaasa, Finland

Take our 360° tour to find out how we make our renowned Relion® relays, which protect people and equipment, and ensure uninterrupted power supply all over the globe. A visit to our factory is just a few clicks away – welcome to ABB's Medium Voltage Products factory in Vaasa, Finland.

[Vaasa VR tour](#)

Heidelberg, Germany

Discover the diverse tasks of our colleagues at ABB Stotz-Kontakt GmbH in the 360° tour. From production to administration, working together to develop, manufacture and sell high-quality products and solutions for the electrical equipment and automation of buildings, machines and systems to provide our customers with the best possible support with ABB products and solutions.

[Heidelberg VR tour](#)

Sasbach, Germany

ABB Striebel&John factory is based in beautiful Sasbach in the Black Forest - one of the leading manufacturers of energy distribution systems and partner to the electrical trade. With many years of experience and expertise, the employees produce distribution systems for the future. In the digital 360° tour we will show you how exactly this works and which product areas the collaboration is particularly focused on.

[Sasbach VR tour](#)

ABB