



ABB-free@home[®]
Making home automation
easier than ever

Work made easy



Installation and commissioning has never been easier. From start to finish, ABB-free@home[®] makes home automation easy. It saves electrical contractors valuable time and gives them a competitive advantage. Simply impressive.



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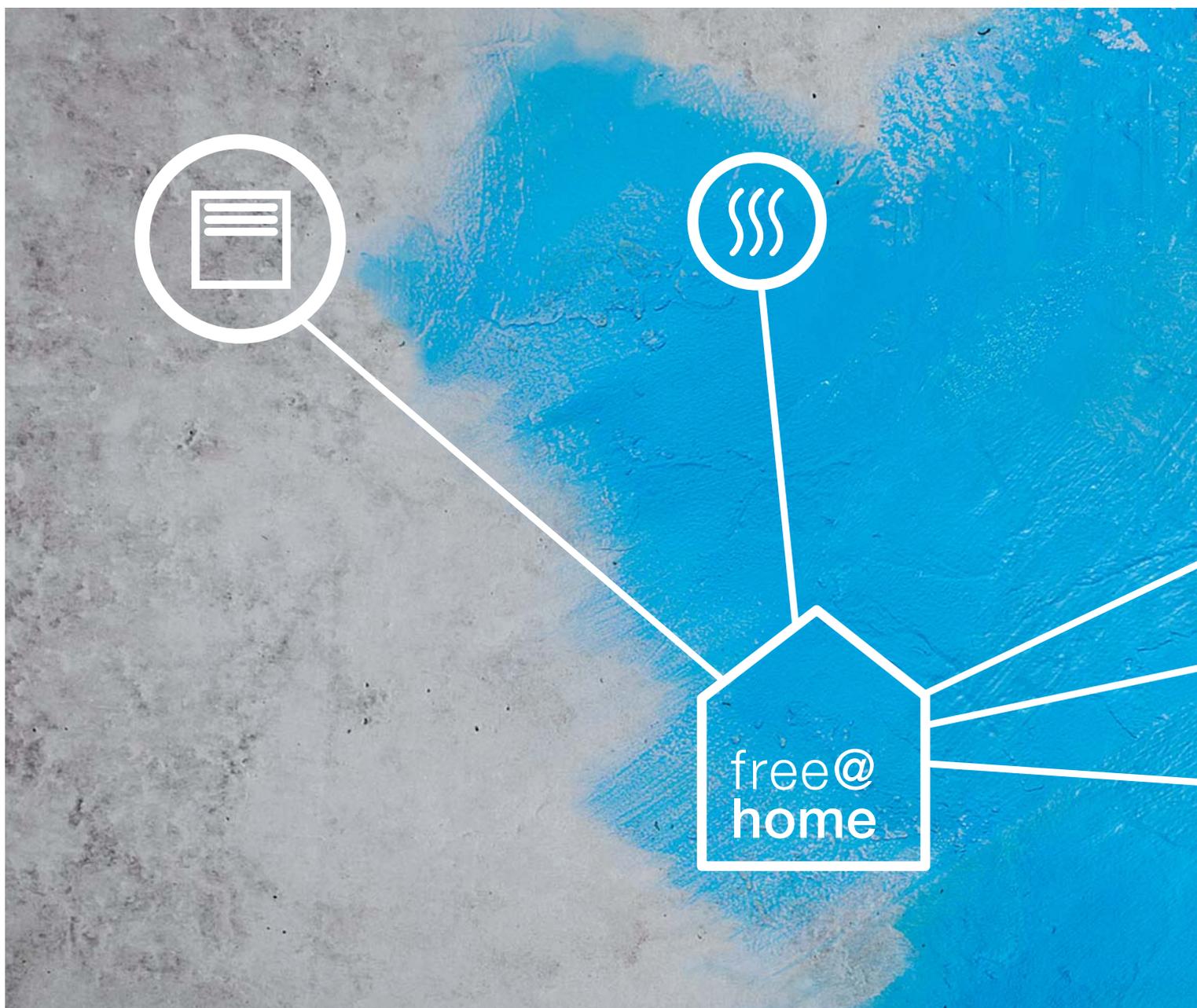


Why do I need a new system?

Delivering home automation that is easy to understand and future-proof is important to builders. Electrical contractors can now support them thanks to ABB-free@home® with its numerous advantages from installation to configuration, through to an effective interface via an app.

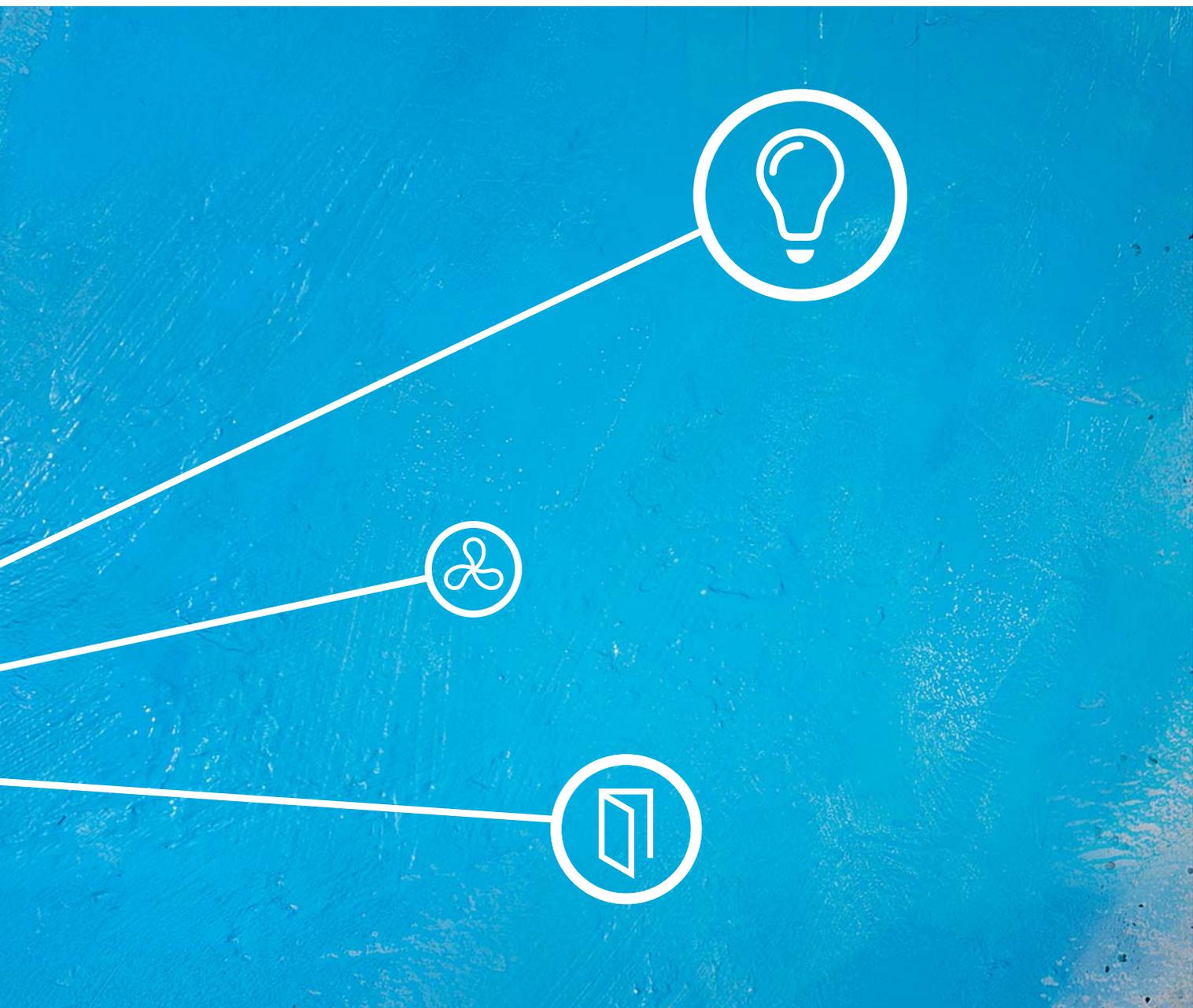






Twice as easy For commissioning and configuration

Numerous advantages all in one. ABB-free@home® combines all the useful functions of comfortable home automation and is easy to work with at a system level. It is simpler to commission – saving you valuable working hours.



Ready to start

To become familiar with the system takes no time at all. It is easy to understand and self-explanatory due to the setup wizard. Simple e-learning videos are available for viewing on the ABB-free@home® website. This will prepare you to arrive at your customer's premises as an expert in modern home automation.

Changes made easy

Configuration and operation of ABB-free@home® is as easy as surfing the internet – thanks to the free app. No additional software is required. Settings and changes can be made by you or the customer with a computer or tablet using a web browser.

Total network

Blinds, lights, heating, air-conditioning and door communication

Comfortable right from the start. It begins with the installation and continues when used as a part of daily life.

With ABB-free@home® all applications in the home are amazingly easy to combine.

Blinds

Whether blinds, roller blinds, awning or roller door – with ABB-free@home®, sun protection and energy-saving could not be easier. Opening and closing as well as adjustment of slats can be controlled with a switch, or an app for smartphone or tablet. In addition, a conventional weather station can be used for protection during a storm, a timer or astro function can be used. It automatically adjusts the blinds according to sunrise and sunset.

- » Flexible options for control
- » Storm, rain and wind protection which responds to the weather
- » Simple operation
- » Optimised energy efficiency due to improved insulation when the blinds are lowered
- » Optimum timing



Blind switch

Ready for all operating modes. With either a short or a long press of the button for roller blinds, exterior blinds or awnings as well as adjustment of slats. Together with a wind sensor the roller blinds, exterior blinds and awnings close up completely and are locked during high winds.

Light control

Life begins with light. With ABB-free@home® lighting can be optimally used, whether for illuminating individual rooms or the entire house. With light scenes – for different moods and to suit the occasion. A benefit of this is the cost-saving and environmentally friendly use of energy.

- » Easy-to-adjust light scenes
- » Central or remote control
- » Fast activation of emergency lighting
- » Support of energy efficiency
- » Flexible use



Dimmer and movement detector

With ABB-free@home®, rooms and buildings can be illuminated according to requirements. Each situation receives suitable light – whether striking light scenes or emergency lighting. All lights can be switched on at once.



Heating and air-conditioning

Providing comfort and energy-saving. The optimum room temperature can be adjusted with ABB-free@home® according to the specific requirement, depending on the time of day and the function of the room. In ECO mode, the temperature is automatically lowered at night or when the house is empty. The heating can be automatically shut off when a window is open, this reduces the consumption of energy – whether for conventional heaters or in floor heating.

- » Heating to suit specific requirements
- » For heaters or under-floor heating
- » Support of energy efficiency
- » ECO mode
- » Local operation or remote controlled via app for smartphone and tablet
- » Automatic deactivation when a window is open

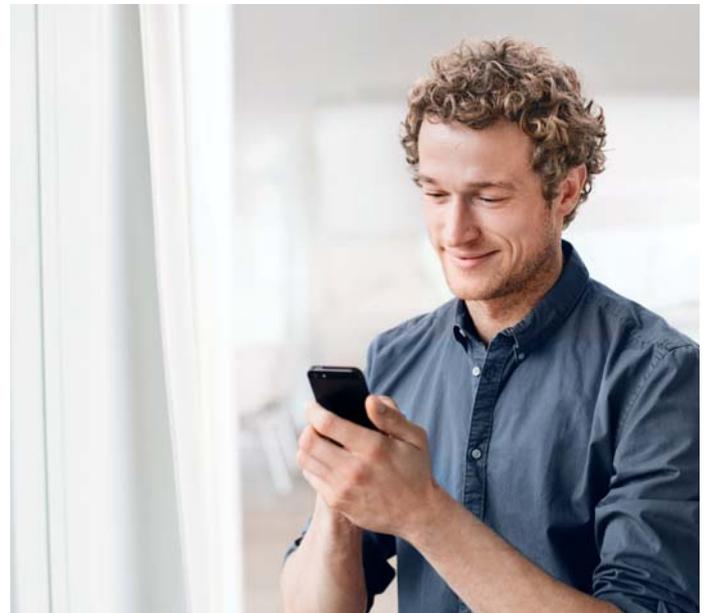




- » Large touch display (7"), to recognise who is at the door
- » Easy operation keys for opening doors, mute function and light
- » Integrated picture memory
- » Configuration of "Welcome scenes" when a visitor rings the bell or the door is unlocked

Door communication

The ABB-Welcome M door entry system can be integrated into ABB-free@home®. The door communication and home automation can be used together with ABB-free@homeTouch 7". The light switches on when the doorbell rings to see visitors more clearly. For security reasons, the video camera records pictures of visitors at the door when no one is home.



Picture directly on the display

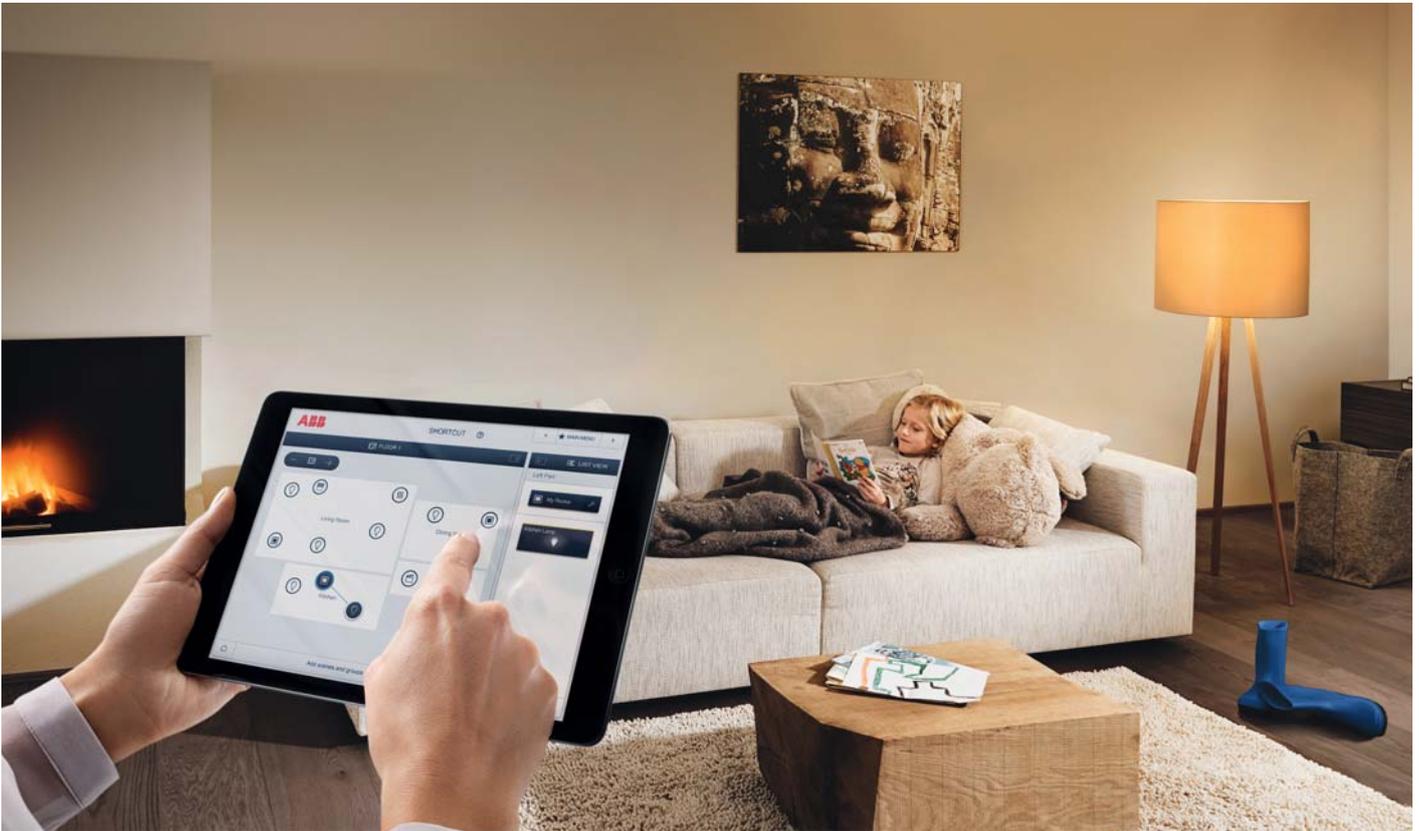
Practical and convenient. The picture from the video camera can be displayed on the tablet or smartphone via the Welcome app. This allows visitors who ring the bell to be recognised even when you are not at home (requires ABB-Welcome M IP gateway and an ABB-Welcome M outdoor video station).

* Different views: Home automation and door communication.

Atmosphere at the touch of a button

Scene control

Fast change of scene. A single click of a switch, on the ABB-free@homeTouch, smartphone or tablet is enough to call up a complete scene. The living room can be turned into a home cinema in just a few seconds. The roller blinds close. The lights in the room are dimmed. Comfort turned into reality with ABB-free@home®.

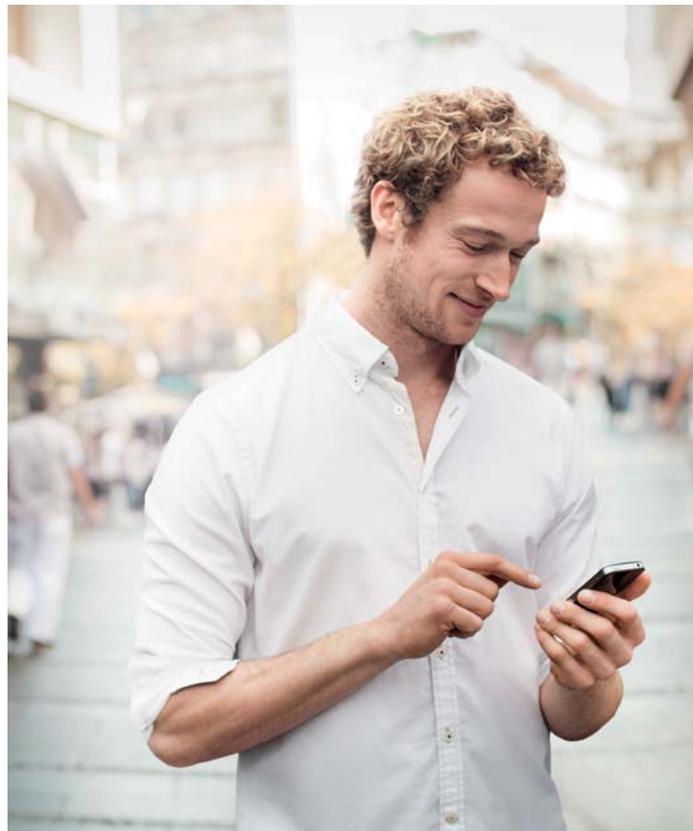


The perfect evening after a day at work

ABB-free@home® prepares a pleasant environment for your customers when arriving home. With a colourful display of light and ambient room temperature. Precisely the right atmosphere for relaxing. To create or change individual scenes is child's play with ABB-free@home®. An intelligent assistance function helps to put together the desired tasks.

Heating and air-conditioning

A pleasant stay. With ABB-free@home®, rooms can be adjusted to a pleasant temperature even before entering them. The ECO function is economical and environmentally friendly. It can lower the temperature automatically at specific times – such as at night or to suit the working patterns of those in the home.



Remote control for everything

Always a good feeling. The presence simulation of ABB-free@home® records the weekly operating sequence of the devices. This means that its response can be exactly the same whether the residents are present or absent. The function can be activated and changed by the residents from anywhere. Whether on a business trip, on holiday or

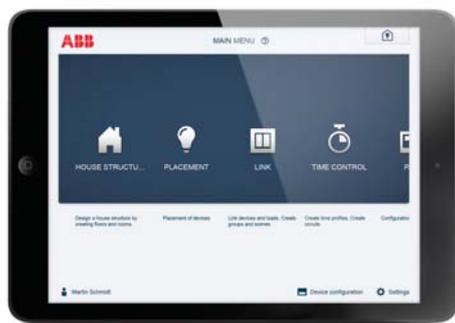


while shopping. Using the app on the smartphone, a safety check of the home is possible from a remote location anywhere in the world. Access must be configured via a dynamic DNS service.



Simply smart With intelligent technology

Home automation has never been easier with ABB-free@home®. With the installation via two-wire bus and configuration using an app, the system is future-proof. It ensures electrical contractors greater success and easier operation for end customers – without extra effort.

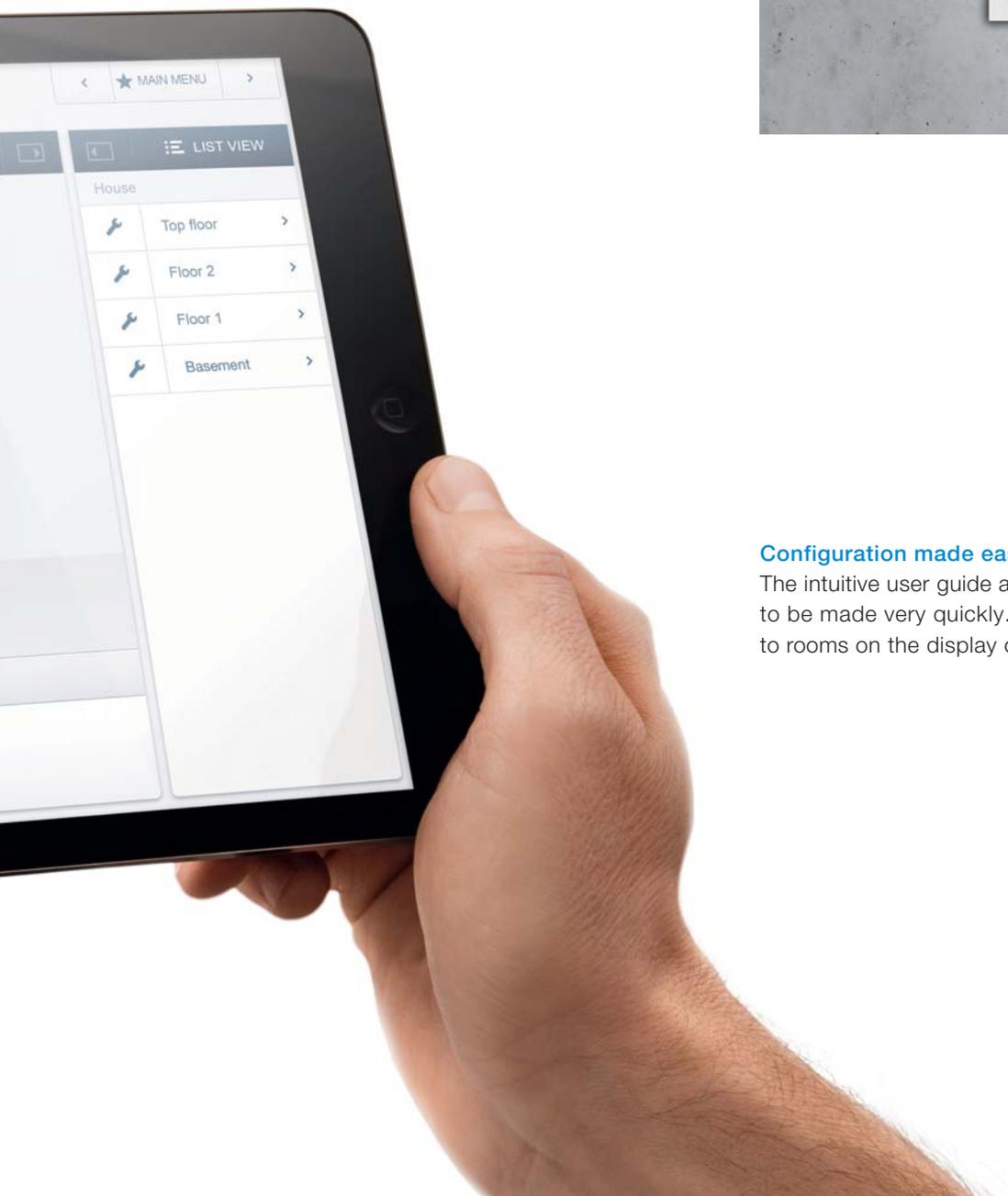


Everything is possible

The unique user interface has been developed especially for ABB-free@home®. It can be used via the Internet browser on a PC or laptop as well as on smartphone and tablet. An app which adapts the user surface to the mobile operation (iOS/Android) has been developed especially for use with smartphone or tablet.



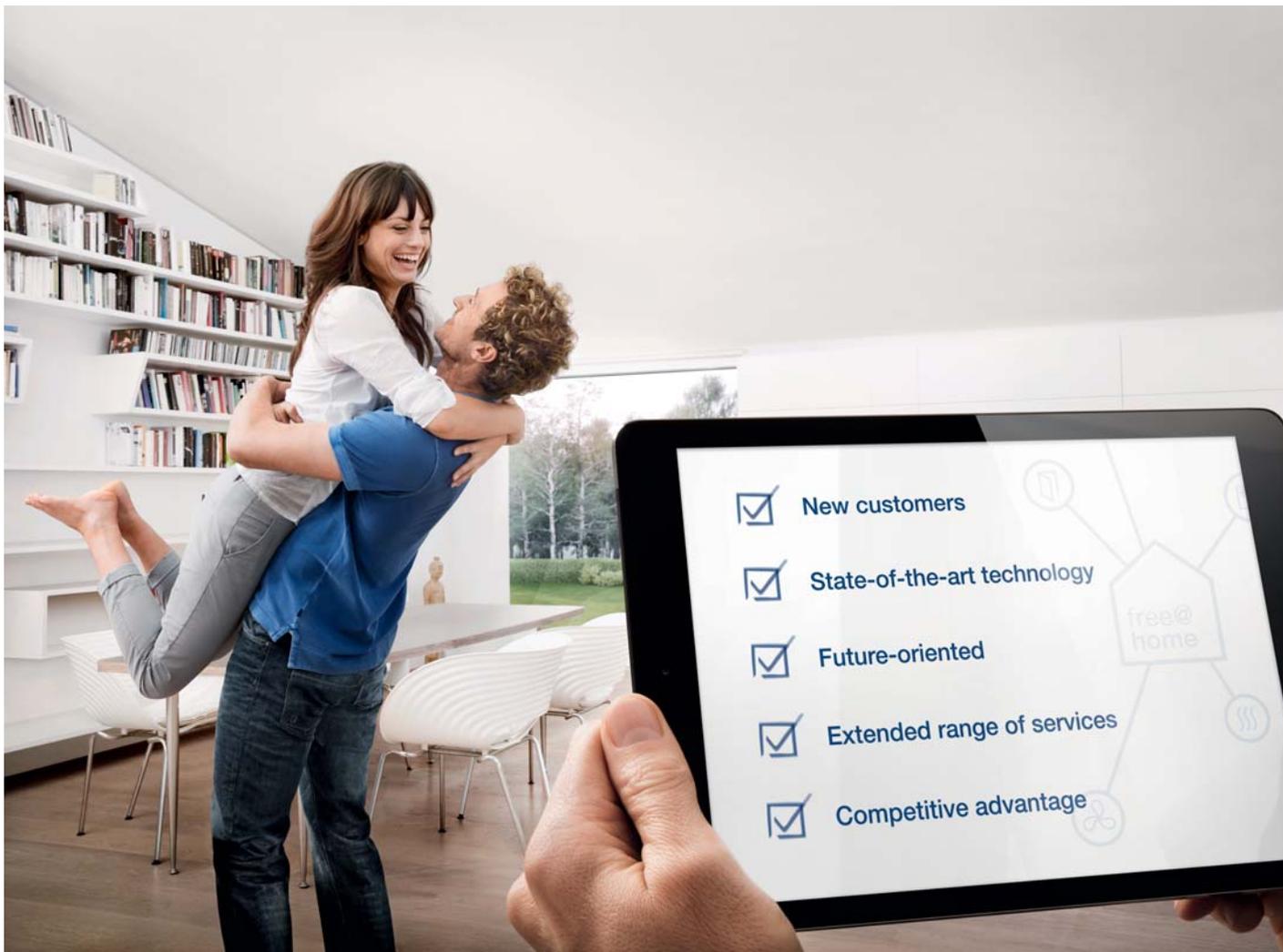
- » Easy to install
- » Easy to configure
- » Easy to change later
- » Intuitive operation



Configuration made easy

The intuitive user guide allows all settings of ABB-free@home® to be made very quickly. All available devices can be allocated to rooms on the display of a tablet or computer.

Greater success Delivering a competitive advantage



More builders require future-proof, easy home automation. Until now, this meant increased for the electrical contractor. With ABB-free@home® customer needs can be effortlessly met and new customers brought on board thanks to the benefits the system offers.



Up-to-date

Ready for tomorrow. With ABB-free@home® you can offer your customers state-of-the-art technology. With this system you expand your range of services and have a clear advantage over your competitors. This applies today and in the future as technology develops at a pace.

Excellent business opportunities are waiting

Home automation touches everyday life. Computers and smartphones have shown the way. Business is booming. One factor that is very important for your customers is energy efficiency and here ABB-free@home® offers electrical contractors offers many opportunities for greater success.

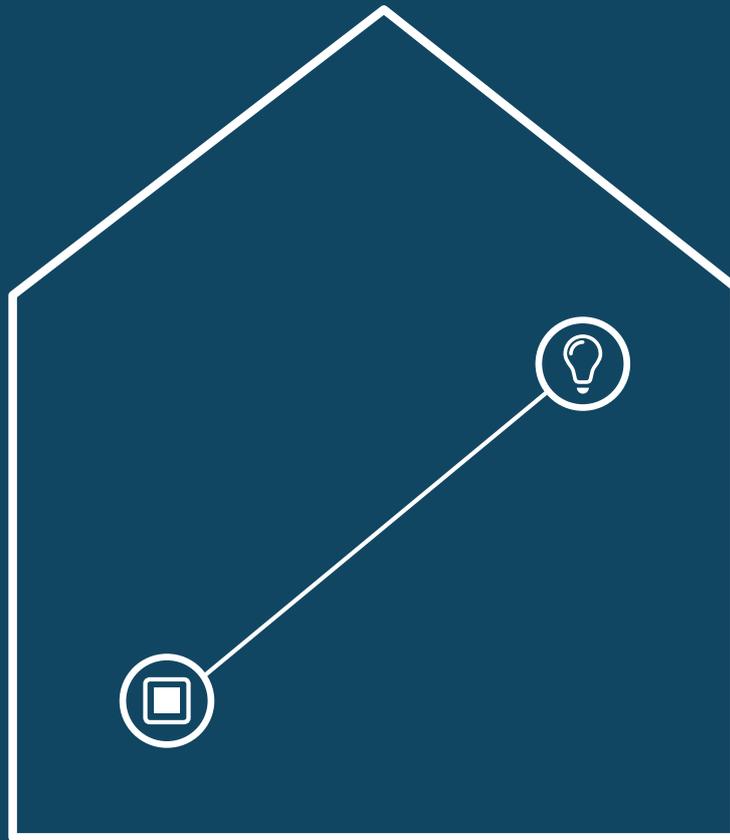
The time is now. With ABB-free@home®, electrical contractors can now successfully enter the home automation sector.



It's that easy?

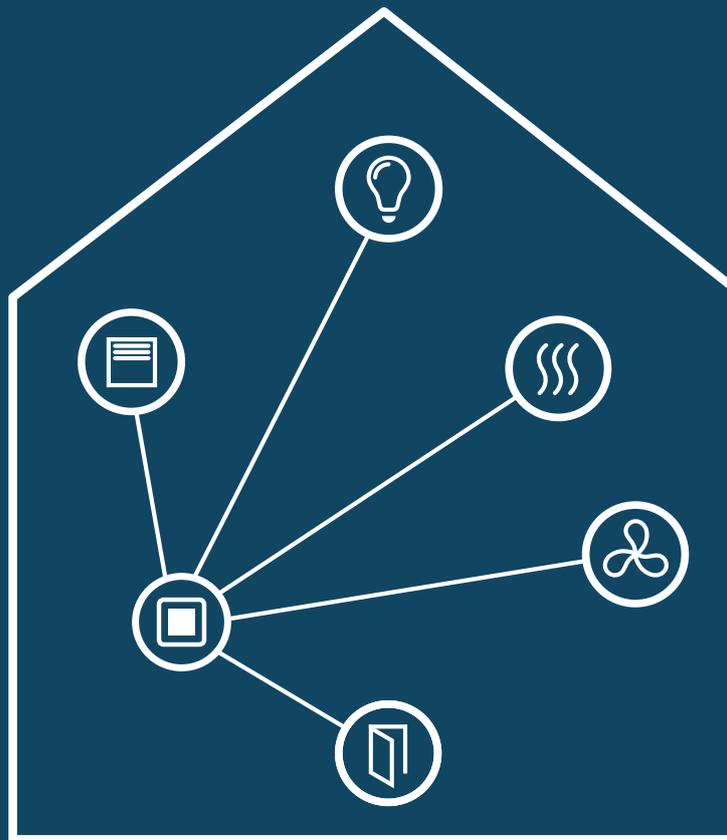
Total home automation in just a few steps. And thanks to its simplicity, with ABB-free@home[®], project planning and commissioning move much faster than with conventional systems. It can save valuable working hours. And this reduced effort can pay off in a very short time.





Easier in comparison The superior system

Simply better. Up to now, the simultaneous control of different functions, such as blinds, lights, heating, air-conditioning and door communication, has required complex control. With ABB-free@home® networked home automation has now been made easy and installation takes very little time.



Perfectly connected

The two-wire bus technology makes the installation of ABB-free@home® as easy as possible. The cable can be fed through the same duct as the power cable. New possibilities open up when combining different functions. This allows the control centre of the ABB-free@home® system, the System Access Point, to be combined with different input devices. These will then control blinds, light, heating, air-conditioning or door communication.

Free and flexible

The functions can be fully customised according to the requirements of your customer. All settings can be easily changed via the app – at anytime by anyone. This allows the home automation to adapt to changing living situations or to changed room usage.

Simply less effort

Saving valuable working hours

As easy as ever. Only a few components are required for the installation of ABB-free@home®. For lighting control, the system only requires a two-wire bus cable, the input/output unit, a power supply and a System Access Point for programming.



01



02



03



04



05

The System Access Point

The System Access Point is the nerve centre of the ABB-free@home® system. It provides access for computer, tablet or smartphone via WLAN. This allows the functions of the system to be defined and remote controlled – even after installation. The System Access Point can also be combined with a network router – via LAN or WLAN. Just connect and you're done. For convenience, the System Access Point makes its own WLAN and the software necessary for project planning and commissioning available. This makes you independent from the structural conditions and no additional software is required. As soon as you are finished with programming you can save the status and restore it again at any time.

The inputs and outputs

Output units for switching, dimming and blinds are available for ABB-free@home®. The flush-mounted binary inputs also allow the integration of conventional switches and sensors, such as window contacts. Switches, room thermostats and movement detectors are available as input units.

01 System Access Point

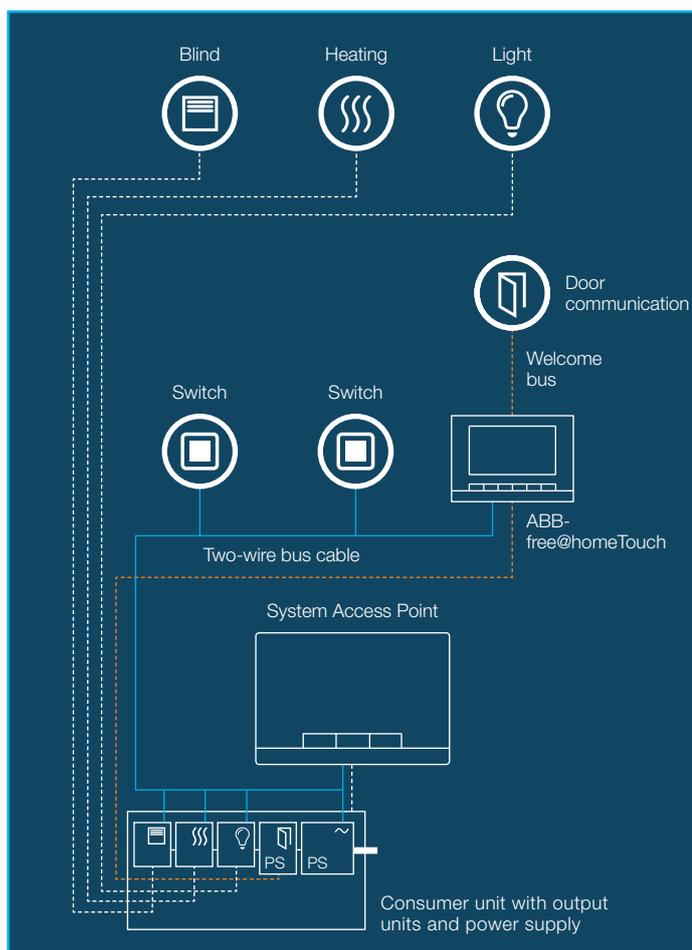
02 Switch, 1/2gang

03 Relay, 4gang

04 Binary input, 2gang, flush-mounted

05 Power supply

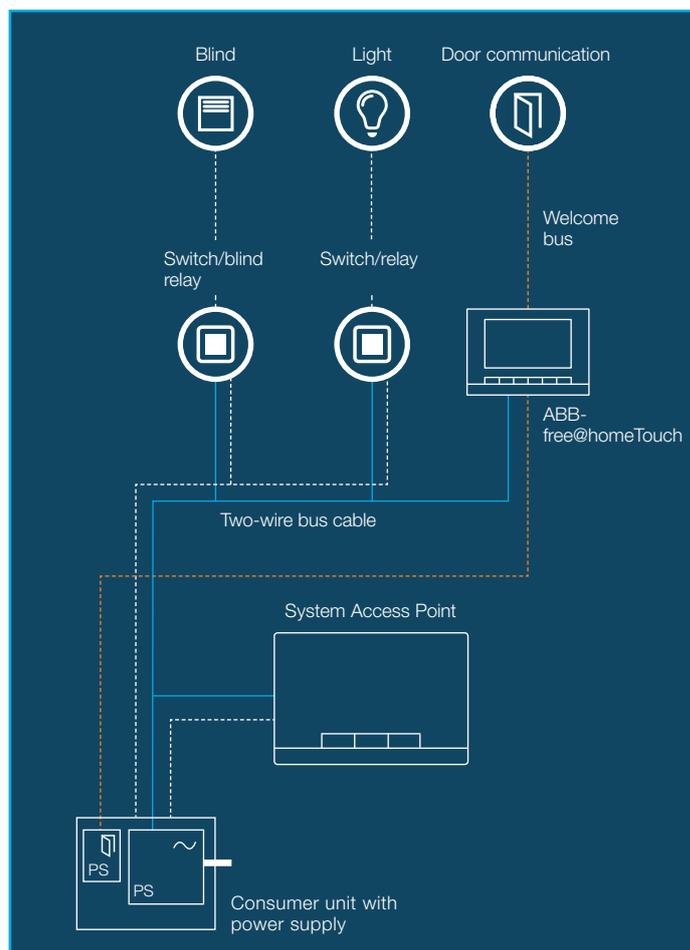
Centralised installation



Centralised installation with DIN rail mounted output units

The installation of DIN rail mounted output units in the consumer unit makes the installation of the switches even easier. Using this method, the costs for each channel can be reduced.

Decentralised installation



Input/output units for decentralised installation

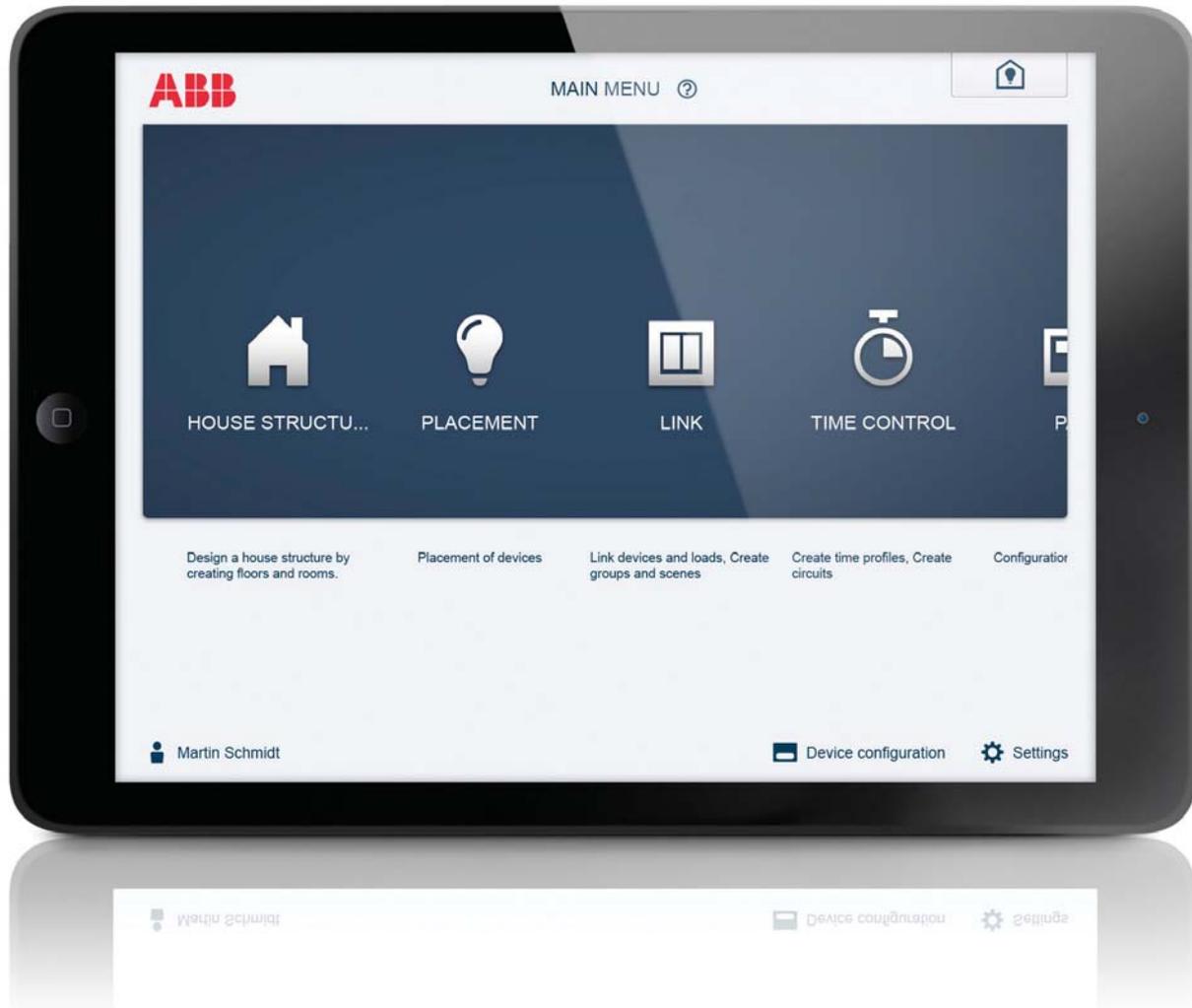
All in one. In case of the input/output units, both the switch and the output is located in a single device to save space. The basic function of the unit is pre-configured, which makes programming the basic function unnecessary – but possible if required. The 230-Volt line is wired as usual.

Input/output unit

The input/output unit combines a control element and a relay in one flush-mounted housing. It is installed in the same way as a flush-mounted switch. The device has already been pre-programmed: which means that the light can be switched on directly after installation – without programming. The input/output unit can, of course, be freely re-configured via the user interface, just like all other input and output units.

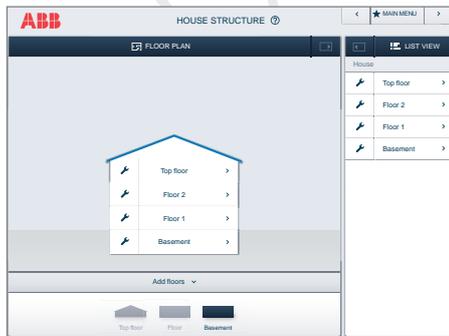


Simply faster Configuration via an app



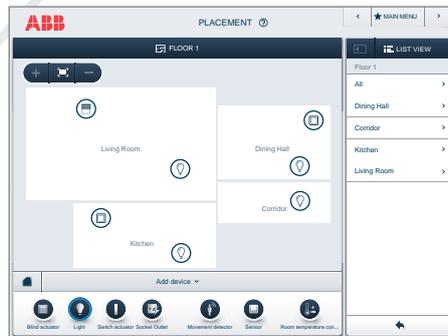
Easy to operate. Configuration via the ABB-free@home® app is easy to understand and fast. All available devices in the rooms are available via the tablet or laptop. The settings can be changed. Brighter or darker. Warmer or cooler. Save. Open and close. Earlier or later. Finished.

- » Pre-programmed All-off button
- » Free app for iOS and Android
- » Easy to understand
- » Intelligent assistance function, the wizard



First step – the house

First, the floor plan with floors and rooms is created.



Second step – the placement

All devices are integrated into the floor plan and are placed in the system.



Third step – linking

And finally, the elements can be combined according to wish and requirements.

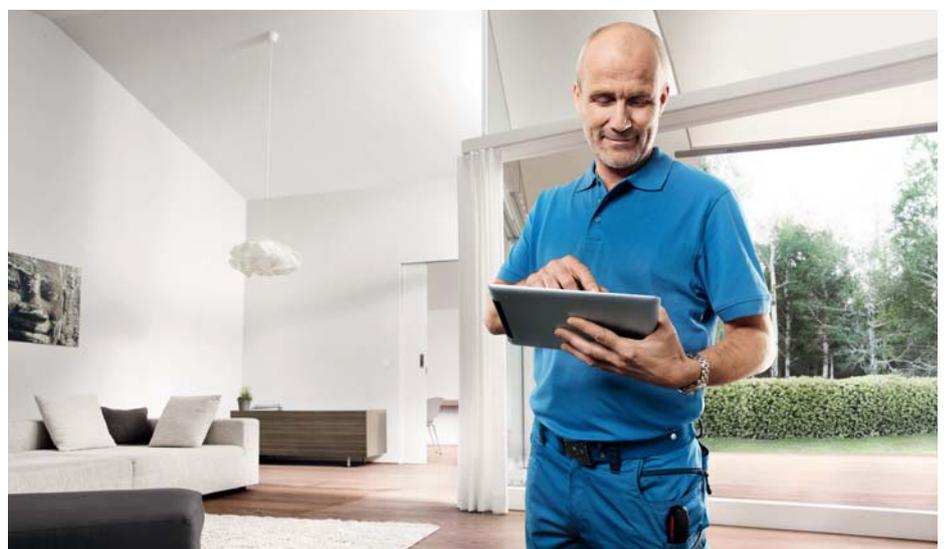


Simple setup and modification

With the ABB-free@home® app scenes can be set as desired. Lamps and a specific position of the blinds plus room temperature can be called up at the touch of a button.

Everything is possible

The unique app has been developed specially for ABB-free@home®. It can be used on the smartphone and tablet using iOS and Android. A computer or tablet is recommended for the initial commissioning of the ABB-free@home®.



A successful future With the assurance of ABB

Advantages. The benefits of ABB-free@home® speak for themselves. The easy installation, operation via app and the assured future of the system are strong arguments for the forward-thinking electrical contractor.



Reliable size

As global market leader for building systems technology, ABB offers the electrical contractor a comprehensive and unique product range. This includes light switches and system technology, building control as well as technology involving energy efficiency – modular, flexible and with an assured future.

ABB products and solutions are everywhere. They can be found in households, offices and factories, in agriculture, in food packaging as well as in trains. Power and productivity for a better world. As a technology pioneer, you can rest assured that ABB will continue to invest in new functionality for ABB-free@home®.



Ideal for new buildings

ABB-free@home® requires no additional construction. The system needs no special cable routings or its own installed cable ducts. Easy to plan for electrical contractors, because the conductor routing does not determine the function.



Manufactured with process reliability

ABB-free@home® is manufactured according to the international standard IEC EN 60669 and IEC EN 50428.



Environmentally friendly with certificate

All devices for ABB-free@home® are manufactured ecologically compatible – according to the RoHS ordinance.

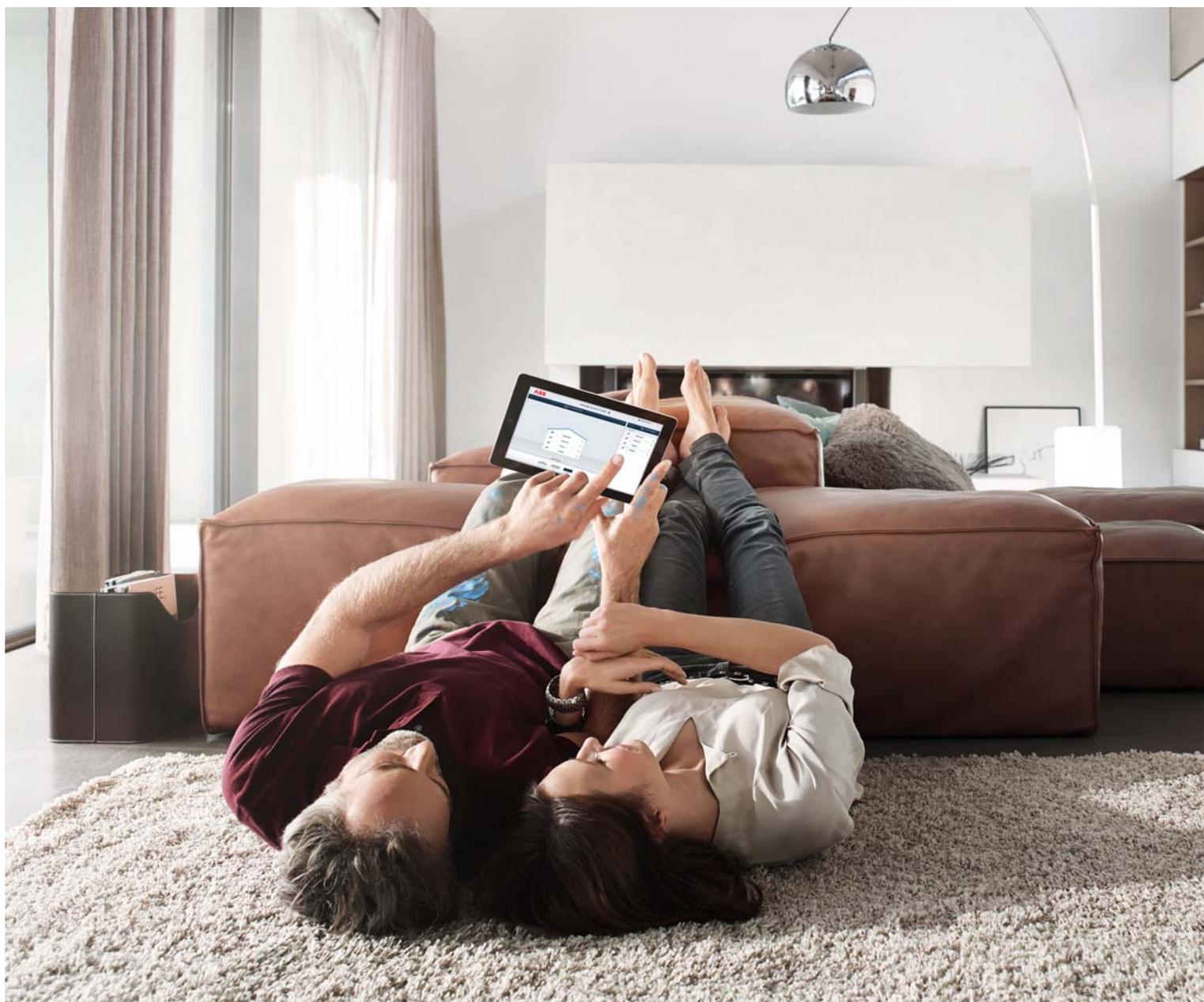
The freedom to design Creative possibilities for your customers

Liberating. As innovative home automation ABB-free@home® offers endless possibilities for creative design. This allows the home to be equipped with endless personal concepts and preferences. Both today and in the future.





Simply smart Whether comfort, safety or efficiency



Smart. ABB-free@home® transforms the home into an intelligent home. With blinds, lights, heating, air-conditioning and door communication – comfort, safety and efficiency can finally be controlled remotely via a smartphone or tablet.



Many advantages for operation

More comfortable living. The ABB-free@home® home automation makes daily life easier. Blinds, lights, heating, air-conditioning and door communication can be controlled together: The smartphone becomes the remote control for the house. The blinds can be moved up and the radio in the kitchen can



Simply everything

Open for new ideas. With ABB-free@home® all functions in the home can be managed automatically – according to time schedule, temperature and movement detector – or be called up at the touch of a button. Every combination of the various functions is possible.

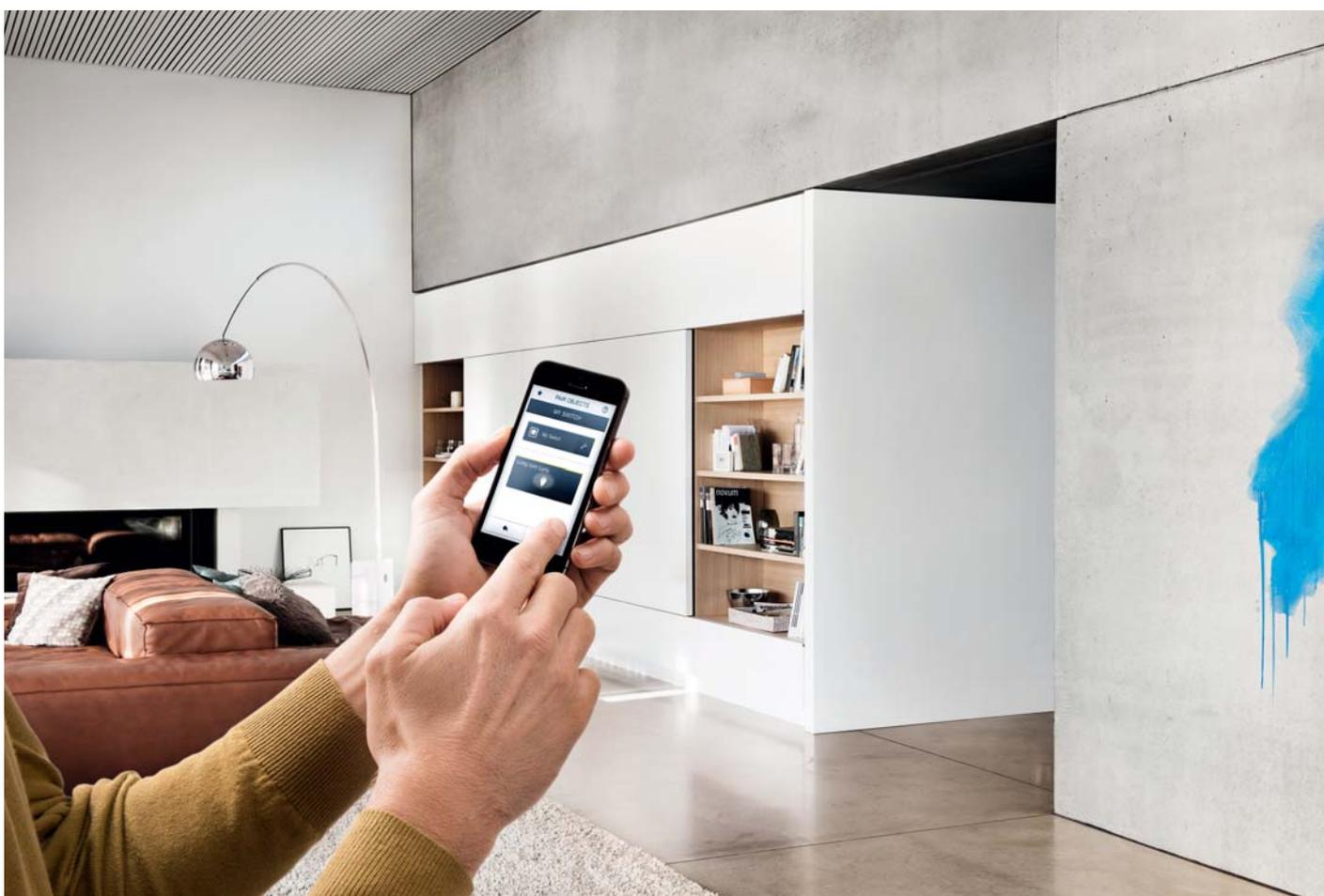
-  Blinds
-  Light
-  Heating
-  Air-conditioning
-  Door communication

be switched on with the touch of a button while you are still in bed – or all lights and devices are turned off via a switch when leaving the house. Very convenient. Extremely comfortable. Very energy efficient. The setting of these scenes is as easy as can be.

Easy control

Blinds, lights, heating, air conditioning, door communication

Greater comfort, increased safety, greater energy efficiency. With ABB-free@home® daily life becomes easier in many ways. All functions in the home can be remote controlled totally according to personal preferences.



The pleasure of simplicity

Home automation with ABB-free@home® is fun for your customers. They can call up all functions individually – whether via switch, ABB-free@homeTouch or via app for smartphone or tablet. This makes a totally new feeling of freedom possible, with independence from space and time. From anywhere in the house or anywhere in the world, lights can be switched, blinds moved or rooms heated or cooled.

Programmed to simplicity.

The user-friendly app of the ABB-free@home® makes home automation via smartphone or tablet as easy as surfing the internet. With this multifunction remote control you can also make changes later without any prior experience.



Fast change of scene

A single touch of the button on the switch, on the ABB-free@homeTouch, smartphone or tablet is enough to generate a complete scene. This allows a living room to be transformed in a matter of seconds to suit an occasion – for welcoming guests or for a pleasant evening of relaxation.



The All-off button

The easiest method for switching off – ABB-free@home® provides it with the All-off button. It is especially practical when leaving the house, through this button all networked devices in all rooms are switched off at the same time. This function is pre-programmed, making it simple to set up.



The range

Modularity makes everything possible

System Access Point and 7" Touch Screen



System Access Point



ABB-free@homeTouch 7"

Article no.	SAP-S-1-84	DP7-S-6xx
Description	For commissioning and remote control of the ABB-free@home® system. Allows the execution of astro and time programs. Commissioning and remote control is executed via web interface or app. No additional commissioning software is required. Easy commissioning with WLAN ad-hoc mode. Connection to the home network via WLAN client mode or via CAT cable.	For ABB-free@home® and ABB-Welcome. For the control of up to 16 configurable functions and display of the video image of an ABB-Welcome outdoor station. SD card slot for extension of the picture memory. Suitable as room thermostat extension unit. Surface mounting.
Dimensions (H x W x D)	110 mm x 170 mm x 31 mm	155 mm x 218 mm x 29 mm
Technical data	Display elements: LED for status display Rated voltage: 230 V~ Rated frequency: 50 Hz/60 Hz Protection class of device: IP 20	Display size: 17.8 cm (7") Display resolution: 800 x 480 Display elements: TFT Touch Display Protection class of device: IP 30

Zenit – Complete units

For centralised installation



Switch unit 1/2gang, white, complete

Article no.	SUCPFWB-2.0-W
Description	For sending switching, push button, dimming and blind commands to an ABB-free@home® output unit.
Dimensions (H×W)	122 mm x 90 mm
Technical data	Control element: Switch contacts top/bottom Display elements: LED for orientation or switch state display Protection class of device: IP 20 Mounting depth: 14.1 mm

Available with the following interchangeable icons (blind, light, dimmer, scene)



Switch unit 2/4gang, white, complete

Article no.	SUCPFWB-4.0-W
Description	For sending switching, dimming and blind commands to an ABB-free@home® output unit.
Dimensions (H×W)	122 mm x 90 mm
Technical data	Control element: Switch contacts top/bottom Display elements: LED for orientation or switch state display Protection class of device: IP 20 Mounting depth: 14.1 mm



Movement detector unit, white, complete

Article no.	MDCPFWB-1.0-W
Description	With select lens detection that allows for animal access. For automatic switching of ABB-free@home® output units dependent on movement and brightness.
Dimensions (H×W)	122 mm x 90 mm
Technical data	Detection range: frontal 6 m, lateral 3 m Detection angle: 180° Brightness limit value: 1 – 500 lux Protection class of device: IP 20 Mounting depth: 9 mm



Room thermostat unit

Article no.	RTCPFWB-1.0-W
Description	Room temperature control for controlling commercially available valve drives or analogue valve drives (continuous controllers) in connection with HA-M-0.6.1, HA-M-0.12.1. With display of set-value temperature.
Dimensions (H×W)	122 mm x 90 mm
Technical data	Display elements: LCD Display showing operation modes Protection class of device: IP 20 Mounting depth: 17.9 mm

Zenit – Complete units

For decentralised installation



Input/output unit 1/2gang, white, complete

Article no.	Switch/Relay unit + 1 relay: SRCPFWB-2.1-W
	Switch/Dimmer unit + 1 dimmer: SDCPFWB-2.1-W
	Switch/Blind Relay unit + 1 blind relay: SBCPFWB-2.1-W

Description	Switch units with inbuilt output for either switching, dimming or blind control.
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Dimensions (H x W)	122 mm x 90 mm
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Technical data	For technical data, please see Zenit Modules on page 40 and 41.
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Available with the following interchangeable icons (blind, light, dimmer, scene)



Input/output unit 2/4gang, white, complete

Article no.	Switch/Relay unit + 1 relay: SRCPFWB-4.1-W
	Switch/Relay unit + 2 relay: SRCPFWB-4.2-W
	Switch/Dimmer unit + 1 dimmer: SDCPFWB-4.1-W
	Switch/Blind relay unit + 1 blind relay: SBCPFWB-4.1-W

Description	Switch units with inbuilt output for either switching, dimming or blind control.
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Dimensions (H x W)	122 mm x 90 mm
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Technical data	For technical data, please see Zenit Modules on page 40 and 41.
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Movement detector/relay unit, white, complete

Article no.	MDCPFWB-1.1-W
Description	With select lens detection that allows for animal access. Including an integrated relay for switching 230 V~ devices.

Dimensions (H x W)	122 mm x 90 mm
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Technical data	<p>Outputs: 1 x normally open contact, potential free</p> <p>Suitable for: resistive</p> <p>Rated current: 10 A</p> <p>Rated power: 2300 W</p> <p>Suitable for: capacitive</p> <p>Rated current: 10 AX</p> <p>Detection range: frontal 6 m, lateral 3 m</p> <p>Detection angle: 180°</p> <p>Brightness limit value: 1 – 500 lux</p> <p>Protection class of device: IP 20</p> <p>Mounting depth: 9 mm</p>
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Zenit – Modules



Cover plate for 2 fold push buttons incl neutral symbols

Article no.	SR-2-N2xx
Description	Cover for ABB-free@home® 1/2 gang switches: SSA-F-1.1.PB.1, SDA-F-1.1.PB.1, SBA-F-1.1.PB.1 and SU-F-1.0.PB.1

Dimensions (H x W) 44 mm x 44 mm

Available with the following interchangeable icons (blind, light, dimmer, scene)



Cover plate for 4 fold push buttons incl neutral symbols

Article no.	SR-4-N2xx
Description	Cover for ABB-free@home® 2/4 gang switches: SSA-F-2.1.PB.1, SSA-F-2.2.PB.1, SDA-F-2.1.PB.1, SBA-F-2.1.PB.1 and SU-F-2.0.PB.1

Dimensions (H x W) 44 mm x 44 mm



Cover plate for movement detector

Article no.	CP-MD-N2xx
Description	Cover for ABB-free@home® Movement detector: MSA-F-1.1.1 and MD-F-1.0.PB.1

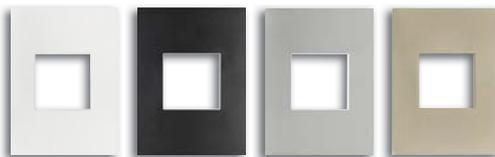
Dimensions (H x W) 44 mm x 44 mm



Cover plate for room thermostat

Article no.	CP-RTC-N2xx
Description	Cover for ABB-free@home® Room thermostat: RTC-F-1.PB

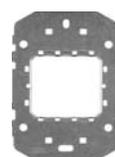
Dimensions (H x W) 44 mm x 44 mm



Rectangular frame

Article no.	N2372.1xx
Description	Available in: White, Anthracite, Silver, Champagne, Wengue wood, Stone slate, White glass, Black glass and Aluminium.

Dimensions (H x W) 122 mm x 90 mm



Wall bracket

Article no.	N2371.9 V
Description	Carrier frame for flush mounted units.

Dimensions (H x W) 102 mm x 74 mm



Switch/relay, 1/2gang + 1 relay

Article no.	SSA-F-1.1.PB.1
Description	For switching 230 V~ devices. With integrated relay. Switching function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 2 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x normally open contact, potential free Suitable for: resistive Rated current: 10 A Rated power: 2300 W Suitable for: capacitive Rated current: 10 AX Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/relay, 2/4gang + 1 relay

Article no.	SSA-F-2.1.PB.1
Description	For switching 230 V~ devices. With integrated relay. Switching function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 4 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x normally open contact, potential free Suitable for: resistive Rated current: 10 A Rated power: 2300 W Suitable for: capacitive Rated current: 10 AX Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/relay, 2/4gang + 2 relay

Article no.	SSA-F-2.2.PB.1
Description	For switching 230 V~ devices. With integrated relay. Switching function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 4 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 2x normally open contact, potential free Suitable for: resistive Rated current: 10 A Rated power: 2 x 1200 W Suitable for: capacitive Rated current: 10 AX Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/dimmer, 1/2gang + dimmer

Article no.	SDA-F-1.1.PB.1
Description	For dimming 230 V~ loads. With integrated dimmer for controlling different lamps. The dimming function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 2 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x dimming channel Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers Rated power: 10–180 W/VA Suitable for: LEDi and energy-saving bulbs Rated power: 2–80 W/VA Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/dimmer, 2/4gang + dimmer

Article no.	SDA-F-2.1.PB.1
Description	For dimming 230 V~ loads. With integrated dimmer for controlling different lamps. The dimming function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 4 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x dimming channel Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers Rated power: 10–180 W/VA Suitable for: LEDi and energy-saving bulbs Rated power: 2–80 W/VA Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/blind relay, 1/2gang + 1 blind relay

Article no.	SBA-F-1.1.PB.1
Description	For controlling blind and awning motors. With integrated blind relay. Blind function is available pre-configured. To be used in combination with ABB-free@home® Zenit cover plates for 2 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x Change-over contacts/ normally open contact, potential bound Rated power: 920 VA Rated current: 4 A Suitable for: Operating mode blind Protection class of device: IP 20 Mounting depth: 31.5 mm



Switch/blind relay, 2/4gang + 1 blind relay

Article no.	SBA-F-2.1.PB.1
Description	For controlling blind and awning motors. With integrated blind relay. Blind function is available pre-configured. To be used with ABB-free@home® Zenit cover plates for 4 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 40.9 mm
Technical data	Outputs: 1x Change-over contacts/ normally open contact, potential-bound Rated power: 920 VA Rated current: 4 A Suitable for: Operating mode blind Protection class of device: IP 20 Mounting depth: 31.5 mm



Room thermostat

Article no.	RTC-F-1.PB
Description	Room temperature control function for controlling commercially available valve drives or analogue valve drives (continuous controllers) in connection with HA-M-0.6.1, HA-M-0.12.1. With display of set-value temperature. To be used with ABB-free@home® Zenit cover plates for room thermostat.
Dimensions (H x W x D)	44 mm x 44 mm x 29.4 mm
Technical data	Display elements: LCD Display showing operation modes Protection class of device: IP 20 Mounting depth: 17.9 mm



Switch 1/2gang

Article no.	SU-F-1.0.PB.1
Description	For sending switching, dimming and blind command. To be used with ABB-free@home® Zenit cover plates for 2 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 23.5 mm
Technical data	Control element: Switch contacts top/bottom Display elements: LED for orientation or switch state display Protection class of device: IP 20 Mounting depth: 14.1 mm



Switch 2/4gang

Article no.	SU-F-2.0.PB.1
Description	For sending switching, dimming and blind commands. To be used with ABB-free@home® Zenit cover plates for 4 fold push buttons.
Dimensions (H x W x D)	44 mm x 44 mm x 23.5 mm
Technical data	Control element: Switch contacts top/bottom Display elements: LED for orientation or switch state display Protection class of device: IP 20 Mounting depth: 14.1 mm



Movement detector

Article no.	MD-F-1.0.PB.1
Description	With select lens detection that allows for animal access. For automatic switching of ABB-free@home® devices dependent on movement and brightness. To be used with ABB-free@home® Zenit cover plates for movement detector.
Dimensions (H x W x D)	44 mm x 44 mm x 29.6 mm
Technical data	Detection range: frontal 6 m, lateral 3 m Detection angle: 180° Brightness limit value: 1 – 500 lux Protection class of device: IP 20 Mounting depth: 14.1 mm



Movement detector/relay

Article no.	MSA-F-1.1.PB.1
Description	With select lens detection that allows for animal access. Including an integrated relay for switching 230 V~ devices. To be used with ABB-free@home® Zenit cover plates for movement detector.
Dimensions (H x W x D)	44 mm x 44 mm x 47 mm
Technical data	Outputs: 1x normally open contact, potential free Suitable for: resistive Rated current: 10 A Rated power: 2300 W Suitable for: capacitive Rated current: 10 AX Detection range: frontal 6 m, lateral 3 m Detection angle: 180° Brightness limit value: 1 – 500 lux Protection class of device: IP 20 Mounting depth: 31.5 mm

future[®] linear



Rocker, 1gang



Rocker, 2gang

Article no.

SR-1-8x

SR-2-8x

Dimensions (H x W)

80 mm x 80 mm

80 mm x 80 mm

Available with
the following icons
(blind, light, dimmer,
scene)



Movement detector



Room temperature controller

Article no.

MD-F-1.0.1-8x

CP-RTC-8x

Description

With select lens detection that allows for animal access.
For automatic switching of ABB-free@home[®] devices
dependent on movement and brightness.

As cover for ABB-free@home[®] room thermostat RTC-F-1.

Dimensions (H x W)

80 mm x 80 mm

80 mm x 80 mm

Technical data

Detection range: frontal 6 m, lateral 3 m
Detection angle: 180°
Brightness limit value: 1 – 500 lux
Protection class of device: IP 20
Mounting depth: 9 mm



Switch/relay, 1/2gang + 1 relay

Article no. SSA-F-1.1.1

Description For switching 230 V~ devices. With integrated relay. Switching function is available pre-configured. To be used with ABB-free@home® future® linear 1gang rockers.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Outputs: 1× normally open contact, potential free
 Suitable for: resistive
 Rated current: 10 A
 Rated power: 2300 W
 Suitable for: capacitive
 Rated current: 10 AX
 Protection class of device: IP 20
 Mounting depth: 32 mm



Switch/dimmer, 1/2gang + 1 dimmer

Article no. SDA-F-1.1.1

Description For dimming 230 V~ loads. With integrated dimmer for controlling different lamps. The dimming function is available pre-configured. Only to be used with ABB-free@home® future® linear 1gang rockers.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Outputs: 1× dimming channel
 Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers
 Rated power: 10–180 W/VA
 Suitable for: LEDi and energy-saving bulbs
 Rated power: 2–80 W/VA
 Protection class of device: IP 20
 Mounting depth: 32 mm



Switch/blind relay, 1/2gang + 1 blind relay

Article no. SBA-F-1.1.1

Description For controlling blind and awning motors. With integrated blind relay. Blind function is available pre-configured. To be used with ABB-free@home® future® linear 1gang rockers.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Outputs: 1× Change-over contacts/ normally open contact, potential-bound
 Rated power: 920 VA
 Rated current: 4 A
 Suitable for: Operating mode blind
 Protection class of device: IP 20
 Mounting depth: 32 mm



Room thermostat

Article no. RTC-F-1

Description Room temperature control function for controlling commercially available valve drives or analogue valve drives (continuous controllers) in connection with HA-M-0.6.1, HA-M-0.12.1. With display of set-value temperature. To be used with ABB-free@home® future® linear room thermostat cover plates.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Display elements: LCD Display showing operation modes
 Protection class of device: IP 20
 Mounting depth: 14 mm



Switch, 1/2gang

Article no. SU-F-1.0.1

Description For sending switching, dimming and blind commands. To be used with ABB-free@home® future® linear 1gang rockers.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Control element: Switch contacts top/ bottom
 Display elements: LED as light for orientation or display of switching state
 Protection class of device: IP 20
 Mounting depth: 9 mm



Switch, 2/4gang

Article no. SU-F-2.0.1

Description For sending switching, push-button, dimming and blind commands. To be used with ABB-free@home® future® linear 2gang rockers.

Dimensions (H×W×D) 71 mm × 71 mm × 45 mm

Technical data

Control element: Switch contacts top/ bottom
 Display elements: LED as light for orientation or display of the switching state
 Protection class of device: IP 20
 Mounting depth: 9 mm

DIN Rail devices and Binary inputs



Binary input, 2gang, flush-mounted

Article no.	BI-F-2.0.1
Description	Conventional switches or auxiliary contacts can be connected to 2 channels. The information of the contact enquiry can be used for activating ABB-free@home® output units or for recording status information. The contact polling voltage is made available from the binary input itself. Extension of the connecting cables possible by a maximum of 10 m. Flush-mounted device for installation in a 60 mm device box or distribution box.
Dimensions (H x W)	39 mm x 40 mm x 12 mm
Technical data	Inputs: 2 Polling voltage: 20 V- Protection class of device: IP 20



Binary input, 4gang, flush-mounted

Article no.	BI-F-4.0.1
Description	Conventional switches or auxiliary contacts can be connected to 4 channels. The information of the contact enquiry can be used for activating ABB-free@home® output units or for recording status information. The contact polling voltage is made available from the binary input itself. Extension of the connecting cables possible by a maximum of 10 m. Flush-mounted device for installation in a 60 mm device box or distribution box.
Dimensions (H x W)	39 mm x 40 mm x 12 mm
Technical data	Inputs: 4 Polling voltage: 20 V- Protection class of device: IP 20



Power supply

Article no.	PS-M-64.1.1
Description	Power supply with integrated choke. LED display for operational readiness and errors.
Dimensions (H x W)	90 mm x 72 mm x 64 mm
Technical data	Display elements: Operational load/overload LED Rated voltage: 230 V~, +10 %/-15 % Secondary: 30 V, +2 V/-2 V Rated frequency: 50 Hz/60 Hz Outputs: 1 Rated current: 640 mA Protection class of device: IP 20 Module width: 4 MW



Binary input, 4gang

Article no.	BI-M-4.0.1
Description	Records AC/DC signals of 10 to 230 V via 4 channels. The information of the signal evaluation can be used for controlling ABB-free@home® output units or for recording status information.
Dimensions (H x W)	90 mm x 36 mm x 64 mm
Technical data	Inputs: 4 Protection class of device: IP 20 Module width: 2 MW



Relay, 4gang

Article no.	SA-M-0.4.1
Description	For switching 4 independent 230 V~ loads. Each contact has a manual operation function independent of auxiliary voltage also displaying the contact status.

Dimensions (H x W x D)	90 mm x 72 mm x 64 mm
Technical data	<p>Outputs: 4</p> <p>Suitable for: AC1</p> <p>Rated current: 16 A, at $\cos \varphi$ 0.8</p> <p>Output voltage: 230 V~</p> <p>Suitable for: AC3</p> <p>Rated current: 8 A, at $\cos \varphi$ 0.45</p> <p>Protection class of device: IP 20</p> <p>Module width: 4 MW</p>



Universal dimmer, 4gang

Article no.	DA-M-0.4.1
Description	Multi-channel universal dimmer for controlling LEDs, incandescent lamps, 230 V halogen lamps, low-voltage halogen lamps with conventional or electronic transformers, and dimmable energy-saving halogen lamps. For dimmable retrofit LED lamps (LEDi). Increasing the maximum load via channel bridging possible. The outputs can be switched parallel in any combination. Outputs automatically recognise the connected load. The operating mode can be selected manually. Status indication of the channels via LED.

Dimensions (H x W x D)	90 mm x 144 mm x 64 mm
Technical data	<p>Display elements: Outputs status indication via LED</p> <p>Rated voltage: 230 V~</p> <p>Rated frequency: 50 Hz/60 Hz</p> <p>Outputs: 4x dimming channel</p> <p>Suitable for: 230 V incandescent lamps and low-voltage halogen lamps with conventional transformers or electronic transformers</p> <p>Rated power: 10–315 W/VA</p> <p>Suitable for: LEDi and energy-saving lamps;</p> <p>Rated power: 2–80 W/VA</p> <p>Protection class of device: IP 20</p> <p>Module width: 8 MW</p>



Blind/shutter relay, 4gang

Article no.	BA-M-0.4.1
Description	For controlling 4 independent blind or roller shutter drives. The outputs are inversely blocked. The bus can be connected via enclosed terminal block.

Dimensions (H x W x D)	90 mm x 72 mm x 64 mm
Technical data	<p>Outputs: 4</p> <p>Suitable for: AC3</p> <p>Rated current: 6 A, at $\cos \varphi$ 0.45</p> <p>Output voltage: 230 V~</p> <p>Protection class of device: IP 20</p> <p>Module width: 4 MW</p>



Electronic relay for valves, 6gang

Article no.	HA-M-0.6.1
Description	For controlling thermoelectric valve drives in heating/cooling systems. The outputs are protected against short-circuit and overload.

Dimensions (H x W x D)	90 mm x 72 mm x 64 mm
Technical data	<p>Outputs: 6</p> <p>Suitable for: resistive</p> <p>Rated current: 160 mA</p> <p>Protection class of device: IP 20</p> <p>Module width: 4 MW</p>



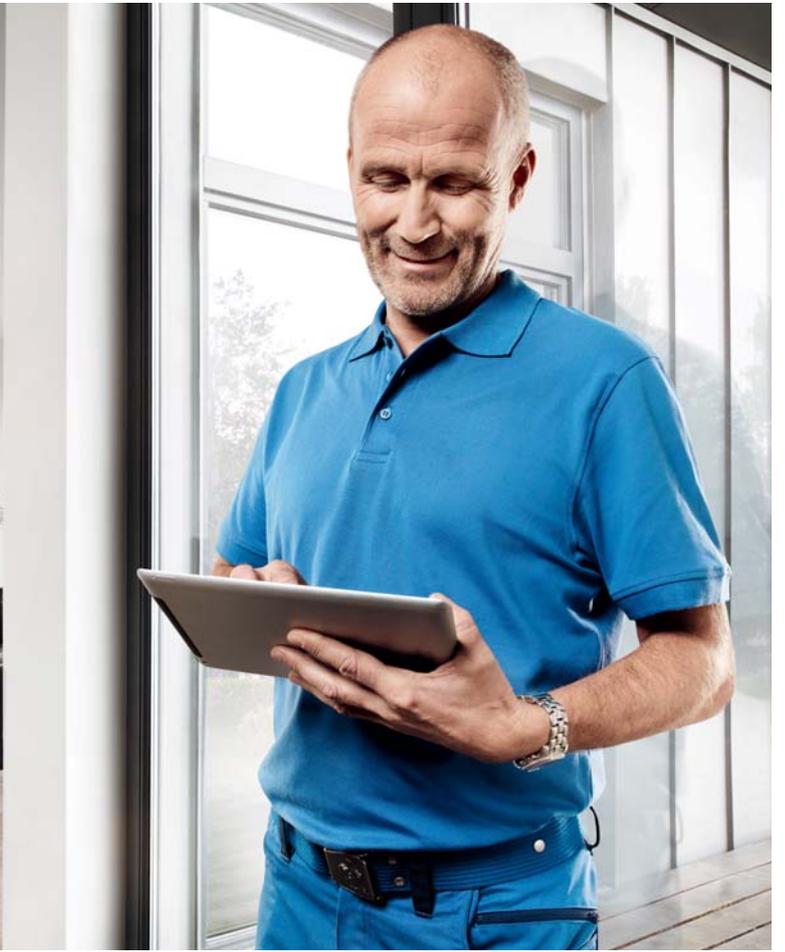
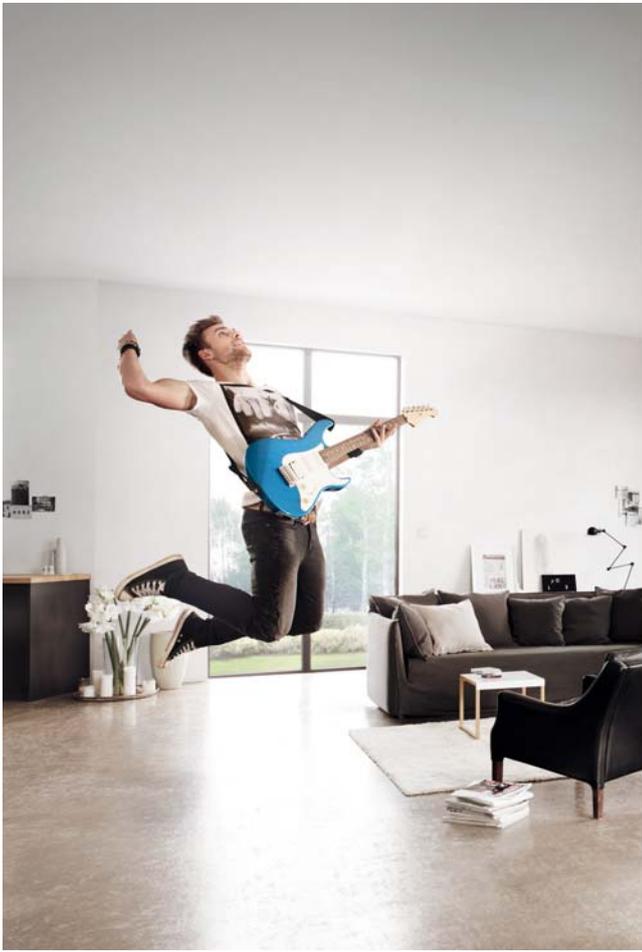
Electronic relay for valves, 12gang

Article no.	HA-M-0.12.1
Description	For controlling thermoelectric valve drives in heating/cooling systems. The outputs are protected against short-circuit and overload.

Dimensions (H x W x D)	90 mm x 144 mm x 64 mm
Technical data	<p>Outputs: 12</p> <p>Suitable for: resistive</p> <p>Rated current: 160 mA</p> <p>Protection class of device: IP 20</p> <p>Module width: 8 MW</p>

For your notes

A series of horizontal dotted lines for taking notes.



Easy to learn With online workshops and tutorials

Exclusive for electrical contractors. ABB-free@home® can be learned in a few hours. ABB provides an online workshop with video tutorials. In this workshop all functions and options are explained.

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