

Tomorrow's aspirations.



Modern electrical installation technology
in administrative buildings

ABB

www.Busch-Jaeger.com

Delivered today.



Reference object*: BIG toy company, Burghausen

Your partner for electrical installation in administrative buildings.

Flexibility, efficiency and energy saving – these are the important requirements of present-day administrative buildings. The modern electrical installation technology of Busch-Jaeger contributes to fulfilling the growing demands in comfort, safety and economic efficiency.

*All of the reference objects displayed in this brochure were fitted with the modern electrical installation technology of Busch-Jaeger.

Numerous possible product combinations and a wide range of functions are the basis for individual and future-orientated solutions in the administrative building sector.

The name Busch-Jaeger has been synonymous with consistent performance, quality and innovation with 125 years. As the market leader in the electrical installation sector, we are constantly improving and expanding our products. Installed by tradesmen, Busch-Jaeger solutions ensure reliable quality with state-of-the-art technology. As of 1969, under umbrella of the BBC, nowadays the ABB, Busch-Jaeger focused on fields of wiring accessories, electronic devices and building management systems. Discover the possibilities of modern electrical installation for the individual and expandable layout of modern commercial and functional buildings. More comfort, safety and economic efficiency – now and in the future.

**The first impression counts.
Solutions for every layout.**

4–7

**The best protection.
For people and buildings.**

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**Simply efficient.
Switching, controlling and regulating.**

12–15

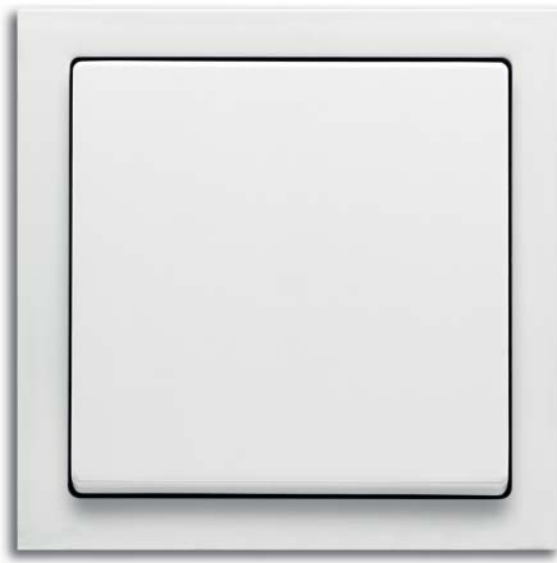


Picture library: Architectural photo, IKK Hamburg-Stellingen

The first impression counts. Realising style.

The times where a light switch was limited solely to its function are over. It has, in the meantime, been promoted to a decorative element in rooms and clearly sets the tone in interior design, for example in foyers, offices or conference rooms.

Numerous possible combinations of the switches and socket outlets open up individual applications, which also keep up with the increasing demands.



future® linear studio white



ivory



stone



anthracite



aluminium silver

Solutions for every layout.



studio white

future® linear light switch. Its charm lies in the reduction to the essence. This is underlined by the defined colours whose restraint emphasise the linear style. A design that finds its counterpart in a modern architectural conception.



studio white

future® linear electronic room thermostat. The electronic room thermostat provides pleasant warmth in every room thanks to its quick, dynamic controller. It has many features which facilitate extensive applications and user comfort.



studio white

future® linear telecommunication terminal unit (ISDN/LAN). Communication technology saves time and creates connections between people as well as access to information sources. ISDN interfaces are available as standard nowadays. They can be combined with other communication and socket outlets.



studio white

future® linear terminal unit for loudspeakers. Flush-mounted loudspeaker cables offers flexibility and put an end to the unattractive "spaghetti syndrome". The inserts with cover plate are suitable for electrical cable cross-sections of up to 10 mm².

Consistently implemented. Applications in everyday life.



alpha exclusive®
IR Dimmer and Busch
Universal Rotary Dimmer
Colour: platinum

Select between different design lines which are convincing due to their wide variety. For example *alpha exclusive®* - the switch range with a classic precious charm and exclusive tones. In seminar and conference rooms, it provides a combination of socket outlets and IR-Dimmers or Busch Universal Rotary Dimmers, where the IR Dimmer can be operated comfortably via remote control. It's as easy as that to unite under the one roof a good design and comfort in everyday life.





Picture library: Architectural photo, Business development, Duisburg

The best protection. For people and buildings.

It is essential that suitable safety measures are integrated for the protection of property and persons in public buildings with numerous offices and through which large number of people pass daily. At the same time, thanks to the different combinations of electrical installations, the energy requirements of large buildings can be lowered.

A range of products that can be combined with each other for every application.



alpine white

Reflex SI Linear Busch-Watchdog 180 UP sensor comfort II

Indoors the Busch Watchdog 180 UP sensor comfort II provides reliable lighting. This flush-mounted movement detector precisely detects when someone enters the room and automatically switches the light on. Exemplary in shape and function, it has a frontal range of 12 m and each side has a range of 8 m respectively. Due to its range, it is ideal for installation in long halls or staircases. After a specified run-on time, the movement detector automatically switches the light off. The Busch-Watchdog Allweather 44® is ideal for installation outdoors or in damp rooms and is, in addition, water protected and secure against theft.

Busch-Watchdog AlarmLINE 220



white

The Busch-Watchdog AlarmLINE 220 offers optimum protection thanks to its additional safety zone. An infrared movement detector registers every movement and triggers the lighting. At the same time, a red warning light on the device signals that the safety zone was entered and effectively discourages uninvited guests by, for example, triggering additional light sources.

Reflex SI/SI Linear socket outlet



alpine white

The connector disconnects easily from the socket outlet when a cable is tugged on, for example when someone trips over it or the flex of the cleaner's vacuum cleaner is too short. This significantly reduces the risk of accidents and the risk of the socket outlet being ripped out of the wall.



Perfect protection. In buildings.



blue-green



alpine white



alpine white



alpine white



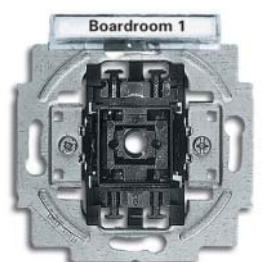
blue-green



Insert with coloured insert



MDRC lightning conductor



Retaining ring
with label holder

Perfect protection. In buildings.

In the cellar and in rooms with a high degree of dampness, ocean provides a safe connection for all network connections. The labelling areas of switches and push switches can be illuminated to a great degree.



blue-green

ocean® switches and network connection. This surface-mounted range for damp rooms or for outdoors offers specific water protection and a hard-wearing as well as impact resistant material in a new design and attractive colours.

The inserts are the same colour as the covers so that the coloured covers are reinstalled on the correct inserts after renovation work.



alpine white

Reflex SI Linear SCHUKO® socket outlet insert. Socket outlets with a specific function are designated with the marking "SV" (special supply) and a coloured cover.

The Busch-Protector® range provides protection against overvoltage in 3 stages for different kinds of networks.



alpine white

Reflex SI Linear Busch-Protector® UP. Busch-Protector® UP, an earthing contact socket outlet with integrated surge arrester, protects the connected consumers against overvoltages which arise between the distribution board and the socket outlet insert.

The label is retained even where the cover frame is taken down as the label holders are located on the inserts. After renovation work, the cover frames can be reinstalled without any risk of mix-up.



alpine white

Reflex SI Linear switches and socket outlets. Cover frames with label windows ensure that the labelling is permanent and uniform e.g. for switches, socket outlets or communication inserts such as ISDN or Ethernet.*

* Available in the Busch-Duro 2000® SI / SI Linear, Reflex SI/ SI Linear, *alpha exclusive®* and *alpha nea®* switch ranges.

Safety for employees, customers and guests.



Public buildings must at the very least be equipped with a handicapped toilet. An emergency system should thereby on principle be provided. Busch-Infoline® is suitable for use as an emergency and alarm-response system, which in case of emergency can, via an internal or external receiving station, be used to quickly call for help. The system can be optimally integrated with the Reflex SI switch range and can for example be combined with a light switch.

*Awarded with the design seal for disabled living





Picture library: Architectural photo, Federal press conference, Berlin

Simply efficient.

Switching, controlling and regulating.

It is essential to integrate suitable safety measures and to create a pleasant working environment for employees in public buildings with numerous offices and through which large number of people pass daily. In doing so combinations of electrical installations can be automatically controlled and regulated from a central location and at the same time energy is saved.

From the central location, the functions of the building can be monitored and controlled in every room.



SMARTtouch



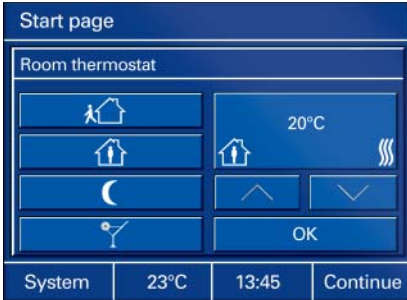
Depending on the design, the LEAN and SMARTtouch offer numerous functions, for example switching, dimming, controlling blinds, displaying measured values, managing switching times, controlling light scenes or displaying and saving alarm and alarm-response messages.

In addition, the panel can be used as a room thermostat. Operation is simple and intuitive. The functions are carried out with the PDA pin via the labelled touchscreen pushbuttons. Function control is facilitated thanks to the clearly laid out menu structure. The LEAN and SMARTtouch can be easily operated via

an infrared hand-held transmitter, which allows you to remotely control the functions of the devices. The panel is available in three versions: as a LEANTouch with a monochrome display with approx. 80 functions as well as a SMARTtouch with a monochrome or colour display with approx. 210 functions.



The footer of the home page displays the room temperature and the time. From here you can also directly call up



an overview of the individual functions of the room or the function group. By simply touching the respective indi-

vidual function a screen opens up via which the light scenes of a conference can, for example, be set.

*Awarded with the design seal for disabled living

Intelligently combined. Throughout the building.



Busch-Watchdog
Presence tech.



ABB i-bus® EIB/KNX
FM EIB push switch
connection



studio white with chrome
matt styling frame



Room thermostat object
range incl. 5gang binary
input



FM switch /
dimmer actuator / sensor

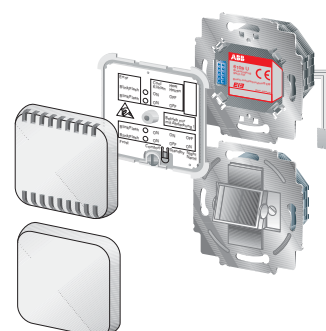


EIB push switch connection
exploded diagram



Heating actuator

thermoelectric valve drivers



RT object range
exploded diagram

Intelligently combined. Throughout the building.

The FM switch / dimmer actuator / sensor represents an intelligent Presence tech combination. Via this device combination, compact constant light control can be realised at a location.



Busch-Watchdog
Presence tech.

Busch-Watchdog Presence tech. Presence tech is activated by even the smallest movement. In this way, all connected consumers such as lighting or heating are always available if they are required, for example in offices.

The EIB push switch connection is contacted via the terminals as a plug-on solution via 4 contact pins with a conventional push switch/switch.



ABB i-bus® EIB/KNX
FM EIB push switch
connection

ABB i-bus® EIB/KNX UP EIB push switch connection 6108 U. With this push switch connection, conventional switches and push switches can be integrated into the ABB i-bus® EIB/KNX. An inexpensive solution even for rooms under renovation.

In addition, the combination of a heating actuator and a thermo-electric positioner (available with different valve adapters) control the heating simply and quietly.



studio white with chrome
matt styling frame

solo® room thermostat with button sensor. This room thermostat with a 2gang control cover includes a wide range of functions, for example switching, dimming, blind control and the call-up of light scenes, and is available in different switch ranges.

The special cover of the room thermostat, which prevents manual local operation is available in all switch ranges.



Room thermostat object
range incl. 5gang binary
input

Reflex SI room thermostat object range. There is a room thermostat specially available for functional buildings that can't be manually operated on location. Conventional push switches can be linked with the 5gang FM binary input.

It depends on the right working environment.



Busch-triton®
studio white, high gloss

Consumers, such as heating and lighting or even the blinds in the different rooms can be controlled according to requirement with control covers e.g. Busch-triton®. Busch-triton® can also be operated via remote control. This is how on the one hand an agreeable environment is constantly created in individual and open-plan offices and on the other hand how energy is comfortably saved.



ABB offers wiring accessories in various standards.



Socket Outlet with Earth pin



Busch-Nema



Euro-American Socket Outlet



Shaver Supply Unit

ABB offers wiring accessories in various standards.

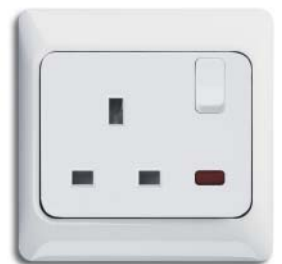
British Standard: *alpha bs*[®]



20 A DP Switch



20 A DP Switch
with neon



13 A Switchsocket Outlet
with neon

