

Tomorrow's aspirations.



**Modern electrical installation
technology in churches**

ABB



Reference object*: Basilica, Walsassen, photos: Gregor F. Peda, D-94034 Passau

Your partner for electrical installation in churches.

Busch-Jaeger electrical installation technology offers numerous possibilities for optimising comfort as well as safety and economic efficiency in churches and parish buildings. There are for this purpose individual light controllers in the foreground. The entire electrical installation is subsequently integrated without any constructional alteration. An ideal solution for old and historical buildings.

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

Versatile possible product combinations and a wide range of functions are the basis for individual and future-orientated solutions in churches.

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 installations for the individual and expandable layout of modern churches, vicarages and kindergartens. More comfort, safety and economic efficiency – now and in the future.

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Picture library: Architectural photo, Cathedral, Barcelona

Every detail is part of the overall picture. Realising style.

Light switches are more than a functional component. They support and shape the overall impression of the interior design. Used selectively in the church, they effectively emphasise the respective atmosphere. In this way, the expansive and in-depth Busch-Jaeger light switch range also opens up individual solutions for all other parish buildings.

Flexible possible combinations of switches and socket outlets suit every room and every situation and keep up with growing demands.



carat® bronze



high-grade steel



glass white



aluminium waved chrome

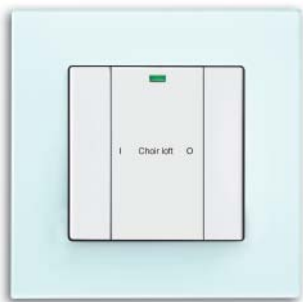


aluminium waved gold

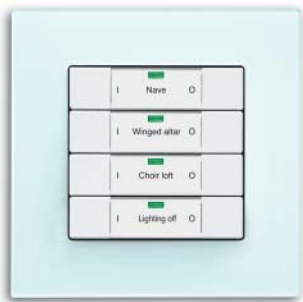


glass black

Solutions for every layout.



glass white



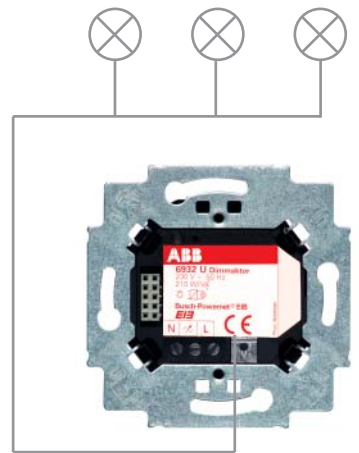
glass white



glass white



glass white



Flush-mounted dimmer actuator / sensor



Remotely controllable universal dimmer



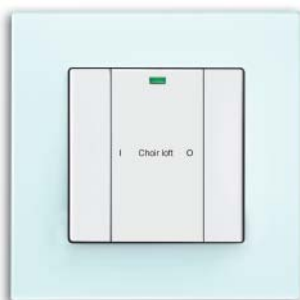
Busch Remote Control® IR hand-held transmitter



Flush-mounted binary input (control station)

Solutions for every layout.

There are different FM actuators available. In addition to the displayed dimmer, the switch as well as the blind or the double switch can be used.



glass white

carat® light switch. The large labelling area ensures that the allocation is recognisable even from afar. In the case of subsequent installations, the traditional switch is simply replaced by a new switch. Thanks to the remote control, the switch can be operated from any location in the room, and you can conveniently set the light, for example, in choir lofts from a distance.

This universal dimmer is expandable in stages. For an output of up to 3.000 watt it only requires a lamp cable. Reinstallation is easy: the old switch is replaced with the new dimmer.



glass white

carat® EIB sensor 4gang. Instead of four separate switches, this control cover provides four possible functions in one styling frame. The labelling of the individual lighting areas simplifies light control, e.g. around the altar. In addition, you can easily operate other switches/dimmers at other locations in the building from this location.

The infrared remote control for different control covers or the Controlpanel facilitates the saving and calling up of light scenes from any location in the room.



glass white

carat® IR sensor with 3gang control cover. You can directly call up different pre-programmed lighting scenes with this switch or also conveniently by remote control – e.g. the light for the homily on the pulpit.

These control stations, which are suitable for all conventional FM outlets, facilitate the control of any consumer.



glass white

carat® key switch. This key switch is suitable, for example, for automatically controlling the bell-ringing, the screen or as a main switch. The half cylinder of an existing locking system ensures unauthorised persons do not have access.

Centrally controlling light scenes.



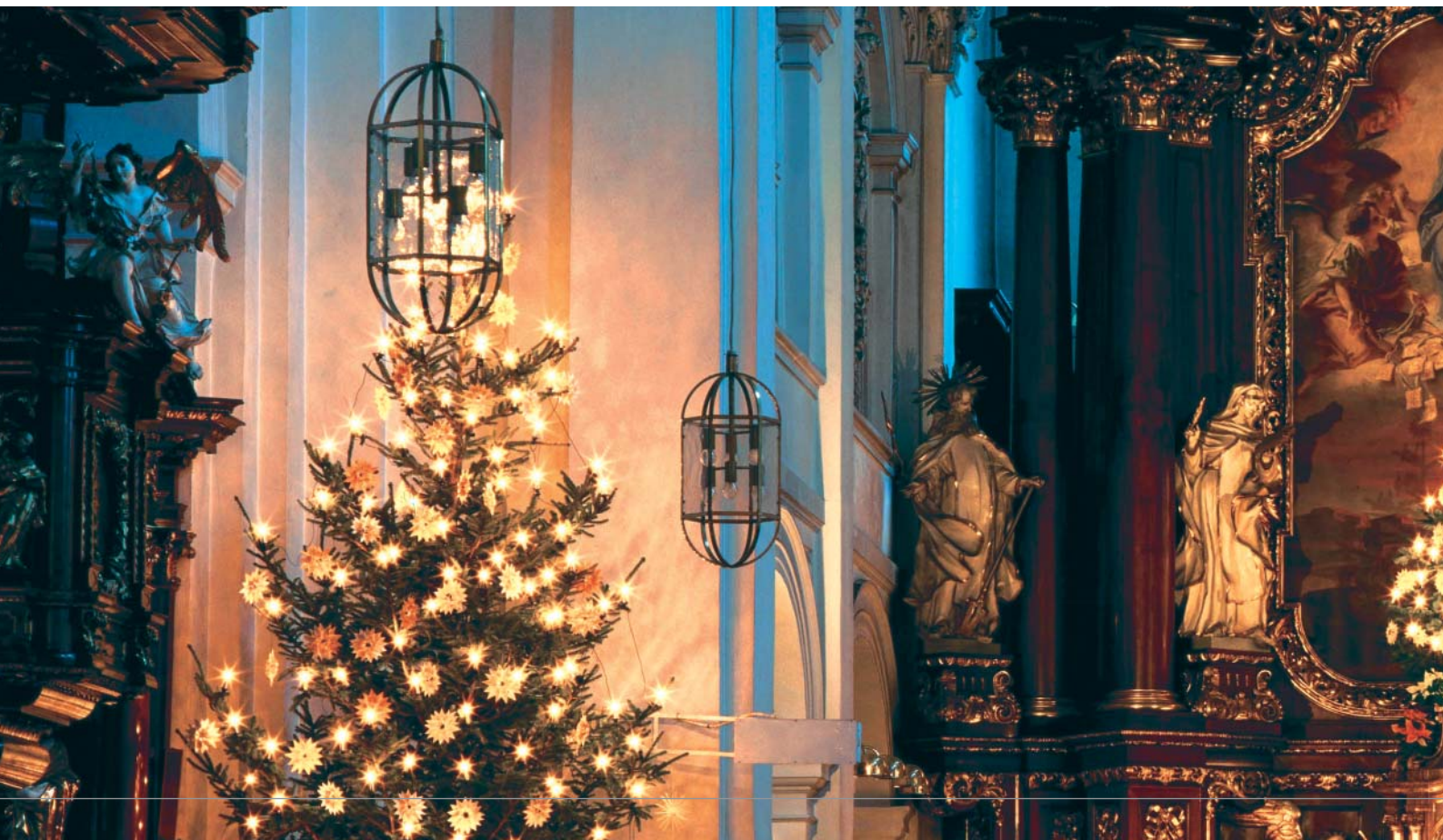
SMARTtouch



*Awarded with the design seal for disabled living

The SMARTtouch allows you, for example, to directly control the light or heating in the entire church from a central location. You can simply and conveniently control and save all functions such as the different light scenes. As a normal church service requires a different type of lighting than a Christmas church service.

Light scenes control several consumers, such as lighting fixtures or also bell-ringing, with a single touch of the panel or remotely.



Flexible light control via the remote control.



alpha nea®
IR wall-mounted transmitter
Colour: studio white

If the lighting around the baptismal font needs to be switched on, this can be conveniently carried out via the IR remote control. The desired light scene for the baptismal font or for example a wedding is simply set and saved.

In this way, it can be called up at any time and from any location in the church. Depending on the size of the church, it is also possible to use several remote controls for light control.



Aesthetics and functionality that convince. For every room.



solo®
davos/studio white



future® linear
davos/studio white

With different control covers for example from the solo® and future® linear, switch ranges, it is possible to dim the entire room lighting from one or more locations or to call up a preset light scenes.

Depending on the assignment of the custom-labelled buttons, you can also directly change the room temperature as desired at the switch.





More safety. For people and buildings.

It is essential that suitable safety measures are present in parish buildings that many people visit daily. Modern electrical installation can thereby contribute a lot to the protection of people and buildings. By means of automatic lighting which switches on as and when needed, accidents in the dark are prevented and unwanted nocturnal visitors are kept away for example.

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



studio white

**Busch-Watchdog
220 ProfessionalLINE**

The Busch-Watchdog switches on the light when approached. In this way the light is, for example, only switched on when required in the dark side entrances or side chapels, i.e. when a visitor approaches. Thanks to this light triggering, energy consumption is also reduced.

**Allweather 44
Busch-Watchdog 180 UP
with combination lens**

**Reflex SI Linear
Busch-Watchdog 180
UP sensor comfort II**



alpine white

Outdoors, for example in the terraces of kindergartens, vicarages or parish buildings this water protected Busch-Watchdog 180 UP ensures lighting as and when required. It switches on the light automatically if someone approaches and thereby contributes to increased safety, particularly in the dark.



alpine white

Indoors, for example in the church aisles or halls, the Busch-Watchdog 180 UP sensor comfort II reliably ensures lighting. This flush-mounted movement detector detects precisely when someone approaches 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 large sphere of action, it is also ideal for installation in long aisles. After a specified run-on time, the movement detector automatically switches the light off.

*Awarded with the design seal for disabled living

Perfect protection. In buildings.



chrome/white

Busch Smoke Alarm with radio module. The device is also suitable for subsequent installation in all churches. It protects against fires as if smoke is detected, it alerts in due time by means of a loud acoustic signal. The smoke detector is also triggered in all other cases by the radio module.



alpine white

Reflex SI Linear FI-SCHUKOMAT. This socket outlet with earth leakage breaker offers protection from extremely dangerous shock current. A grill or hotplate can also for example be connected at a parish festival.



alpine white

Reflex SI Linear Busch-Protector® UP. This earthing contact socket with integrated surge arrester protects connected consumers, such as amplifiers for organs or microphones, against overvoltage which can occur between distribution board and the socket outlet insert.



studio white

alpha nea® child protection socket outlet. In the kindergarten, this socket outlet provides integrated increased protection against accidental contact and keeps children away from the dangers of electrical current via the automatic locking of the contact opening.

*Awarded with the design seal for disabled living

Safety for people.

Rapid help when it is required.



Busch-Infoline®

This multifunctional alarm and alarm-response system is suitable, for example, as an emergency system for handicapped toilets or also



for toilets in kindergartens. You can also use it as a dampness monitor in kitchens or cellars. Surveillance inserts, optical and acoustic signal inserts, signal and switch-off buttons as well as function components that can be labelled and colour coded increase the operating safety and complete the thinking behind the system.

*Awarded with the design seal for disabled living





Reference object: Schmidthenerhaus, Heidelberg

Intelligent technology. Using energy efficiently.

In churches and all parish buildings, an individual concept of electrical installation ensures ideal comfort and economical energy consumption. In this way, it is possible, for example, to automatically operate the blinds or roller blinds as needed at all times. In parish buildings and vicarages as well as in kindergartens there is always a pleasant indoor temperature as it is regulated according to the setting and time of day.

Comfortably monitor and control such building functions as blinds and room temperature.



solo®
Blind switch
davos

This blind switch allows you to automatically operate the blinds, roller blinds or awnings in two different directions. It is a particularly ideal solution for great comfort and a pleasant environment in kindergarten rooms with large window fronts.

solo®
Busch Timer® III



davos

This timer allows for the intelligent timing of roller blinds and blinds. With it you can operate or set both manually or via time control. In addition, it also offers an automatic changeover from Summer to Winter time and a brightness sensor connection.

solo®
IR sensor with 3gang control cover



davos

This switch can be manually operated via infrared remote control or on location. You can in this way conveniently control different room settings, such as dimming the light or regulating the temperature, with the touch of a button.



**Intelligently
combined.
Throughout
the building.**



Busch-Watchdog
Presence tech



titanium



davos/studio white





Flush-mounted switch /
dimmer actuator / sensor



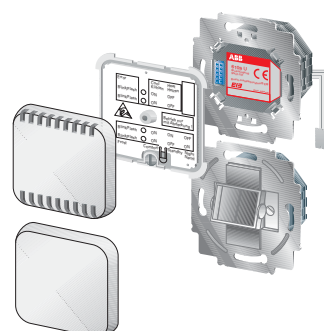
Busch dimmer power
electronic module



Heating actuator



thermoelectric valve drivers



Room thermostat object
range exploded diagram

Intelligently combined. Throughout the building.

If you expand the Busch-Watchdog Presence tech with this FM insert, a compact device combination is created to which lighting fixtures can be directly connected. The integrated movement /brightness sensors facilitate constant light control dependent on requirement.



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 lights or heating are always available when required. An intelligent solution also for halls and cellars in parish buildings.

The Busch universal dimmer is expandable in stages from 500 W to ~ 3 kW via the available lamp cable.



titanium

alpha exclusive® Busch Universal Rotary Dimmer. This device for individual brightness control is suitable, for example, for boardrooms in which speeches take place. It is available as a rotary or touch dimmer whereupon the function of the rotary dimmer is recognisable at a glance.

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



davos/studio white

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 various switch ranges.

Conventional push switches can be linked with the FM 5gang binary input.



Room thermostat object
range incl. 5gang binary
input

Reflex SI Room thermostat object range. There is a room thermostat specially for use in church halls or in kindergartens that can be operated manually or on location. The special cover of the room thermostat is available in all switch ranges.

The right lighting for every occasion. Using energy efficiently.



Busch-triton®
studio white, high gloss

With control covers such as Busch-triton® you can adjust the lighting in churches in accordance with every situation and every occasion. The remote control facilitates the saving and calling up of different lighting atmospheres for example for Sunday church services or more important festive days. The environment or the seat heating can at the same time be comfortably and economically controlled via this control cover.



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.

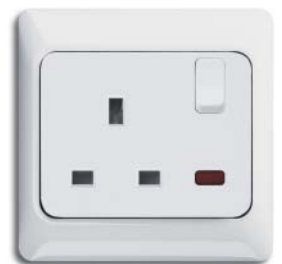
British Standard: *alpha bs*[®]



20 A DP Switch



20 A DP Switch
with neon



13 A Switchsocket Outlet
with neon

A member of
the ABB group

Your ABB-partner