

**Tomorrow's aspirations.**



**Modern electrical installation  
technology in dwellings**

**ABB**

[www.Busch-Jaeger.com](http://www.Busch-Jaeger.com)

**Delivered today.**



Reference object: Gewerhof housing associations, Munich

## Your partner for electrical installation in dwellings.

**M**odern dwellings must bring together different requirements: modern standards and the appropriate equipping of facilities to prevent vacancies. At the same time, it is necessary to increase and maintain the property value. Busch-Jaeger electrical installation technology is making a significant contribution in new buildings or where renovations or restorations are taking place, for example by constantly lowering the operating costs.

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

***The functionality and possible combinations of the products as well as the expansive and in-depth range open up new solutions in dwellings.***

**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 dwellings. More comfort, safety and economic efficiency – now and in the future.

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Picture library: Busch-Jaeger

## Style and comfort in rooms. Setting the tone.

These are the details that determine the overall impression. Light switches are a decorative part of interior design and no longer just purely functional components. Their timeless aesthetics contribute to the appreciation of the overall apartment. The Busch-Jaeger switch ranges offer different designer series to meet every demand and style. For this purpose you also receive, for example, connections for communication technology. It is that easy to set modern standards in your apartments.

***The switches and socket outlets of the different design lines can be combined with each other. Optimum solutions for every room and every situation.***



**future® linear** studio white



ivory



stone



anthracite



aluminium silver

# Solutions that create space.



alpine white

**Reflex SI telecommunication connection unit (ISDN/analogue).** This

telephone and multimedia connection gives you access to the internet.

The left connection is the ISDN as well as the network connection for the PC or hard drive video recorder. The right connection can be used for analogue terminals such as telephones, answering machines or fax machines.



alpine white

**Reflex SI Busch Blind Control II.** With this control cover, the roller

blinds and blinds can be automatically controlled. The renter can replace the control covers with other control covers with additional functions such as timers or IR receivers without the need for constructional alterations.

Even a brightness sensor can be easily installed at a subsequent time.



alpine white

**Reflex SI UAE connection box.** This ISDN and DSL compatible multimedia

connection can be used, for example, to control the video from the PC. It

acts as the connection for the entire computer network – in living rooms, studies or children's rooms. Among other things, the SR5 switch (Rutenbeck) is an intelligent installation expansion to the current distribution board.



alpine white

**Reflex SI service socket outlets.** Angled plugs in a socket that are often replaced or are stuck can be easily removed by lightly pressing the rotary handle. This is practical for housework and a good solution for elderly persons' dwellings.

# Using communication technology flexibly.



## **Reflex SI Linear**

Loudspeaker connection boxes, satellite antennae outlet, SCHUKO® socket outlets with child protection  
Colour: alpine white

Even in living rooms, it is important to be able to flexibly use the different devices such as the tele-

vision or the Hi-fi system or to be able to connect additional consumers as needed. This 4gang combination of the loudspeaker and antennae connection as well as the two socket outlets give the renters the space to express their design ideas. The relevant switch combination connections can be freely combined and are available in the various Busch-Jaeger switch ranges.





Picture library: Artur, Multifamily house in Aachen

## Safe and protected. Living and feeling at ease.

**T**here is a lot you can do to make your renters feel safe in your larger and smaller housing areas. Protect the people and their personal property and at the same time your investment. Various complementary electrical installation measures for outdoor and indoor use around the house ensure increased safety in everyday life, both during the day and at night.

***Reliable lighting at any time of the day.  
Products can be combined as required.***



white

**Busch-Watchdog  
AlarmLINE 220**

This Busch-Watchdog with additional safety zones and warning light is suitable for installation with a corner adapter. Its detection angle can thereby reach around house corners. Together with a transmitter, it automatically activates other lights on the property. An ideal solution for preventing accidents and keeping away unwanted guests at night.

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



alpine white

This Busch-Watchdog offers specific protection for outdoors and in damp rooms. Cellar entrances with stairs or the garage yard are light up as needed in the dark. The device is both protected against water and theft and the settings can also not be adjusted.

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



alpine white

Indoors, for example in halls, the Busch-Watchdog 180 UP sensor comfort II reliably ensures lighting. This flush-mounted movement detector 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 suitable for installation in long

aisles. Its sensor can be combined with various inserts, e.g. with a dimmer that allows you to slowly dim the light in the staircase. It does not suddenly become dark rather the lighting is slowly dimmed within 60 sec. In this way no one finds themselves unexpectedly in the dark.



\*Awarded with the design seal for disabled living

# It's safe to say the right solution.



alpine white



studio white

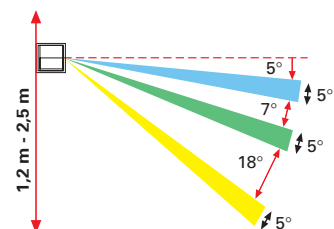


chrome/white

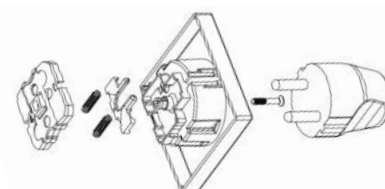


blue-green

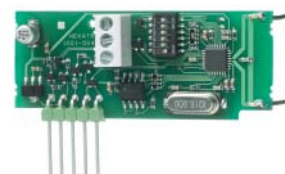
\*Awarded with the design seal for  
disabled living



Ranges and  
detection angles



Explosion diagram:  
SCHUKO® child protection  
socket outlet



Radio networking module  
for Busch Smoke Alarm



Lockable socket outlet with  
labelling area

# It's safe to say the right solution.

This compact Busch-Watchdog 180 UP has a frontal range of 12 m and each side has a range of 8 m respectively and it avails in this way of a large sphere of action, particularly when approached from the front.



alpine white



**Busch-Watchdog 180, UP sensor comfort II.** This movement detector switches on and off the lighting as needed. Its multi-lens allows for the best detection even in staircases. The sloping detection angle means that it can be installed at an increased height, which for example protects the device from vandalism in halls.

This socket outlet has an integrated increased protection against accidental contact. Objects can't be inserted as the automatically locking contact opening is only released if both sides of the locking mechanism are pressed simultaneously.



studio white

**alpha nea® SCHUKO® child protection socket outlet.** Provides safety for children by protecting them against electricity. In comparison to subsequently installed inserts, there is the product guarantee of the VDE quality mark. The socket outlet is easy to use and the design is unimpaired.

In the apartment, it is possible to install smoke detectors in the different rooms. The triggering of a smoke detector is also signalled to all other smoke detectors via the radio module. In this way, for example, parents can directly react to the alarm in the children's room.



chrome/white



**Busch Smoke Alarm with radio module.** The device immediately detects smoke and also keeps you safe at night from the development of fires. It warns you in time via a loud acoustic signal and is equally suitable for installation in apartments, halls and staircases.

Two lockable and simultaneous locking socket outlets, e.g. for connecting a washing machine and a dryer, are connected to the apartment via the selector. In this way no one can do their washing or drying at another's expense.



white

**ocean SCHUKO® socket outlet with security lock.** The water protected surface-mounted range is convincing in its diversity, resistant material, robust as well as modern design. In an apartment building, it is particularly suitable for damp rooms as well as cellars and the laundry.

# Protection in every situation of everyday life.



**Reflex SI Linear**  
FI-SCHUKOMAT  
SCHUKO® socket outlet  
Colour: alpine white

If it gets wet in the bathroom, it is time for a FI-SCHUKOMAT® socket outlet with built-in earth leakage breaker and integrated increased protection against accidental contact. It divides the current, if necessary, in milliseconds. It is also suitable for kitchens, hobby rooms or cellars. If the electrical installation network of a house does not allow for the attachment of a central FI switch, this socket outlet is the ideal solution as the safety measures are fulfilled without having to replace the overall electrical installation.





## **Innovative technology. Economically realised.**

In new buildings as when modernising a house, it is important to be able to offer an attractive and stable-valued dwelling. On the other side arising costs and future necessary investments in styling frames must remain manageable and within the budget. Busch-Jaeger electrical installations can help you to reduce your energy costs. With products that can be combined with each other and long-lasting switch ranges you are saving on unnecessary expenditure right from the start.

# *An extensive range with products for all applications in and around the apartment house.*



alpine white

## **Busch-Duro 2000® SI / Reflex SI socket outlet**

Now renovation or repair costs due to ripped out socket outlets can be significantly reduced. Due to the fact its side walls give way, this socket outlet supports the unplugging or plugging in of the plug, if for example someone trips over the flex. Your renters are safe from preventable accidents, devices remain intact and in the wall – this saves on maintenance costs.

## **Reflex SI Electronic room thermostat**



alpine white

It automatically ensures a pleasant room temperature in accordance with your wishes. This ease-of-use is standard in all of our other switch ranges.

## **Reflex SI Rocker with labelling area and bell symbol**



alpine white

In addition, this rocker is available with every Busch-Jaeger switch range so that light switches, socket outlets and floor bells are combinable. In addition, as the rocker is compatible with all switch ranges, it reduces the amount of replacement devices. This means less expenditure and lower costs when carrying out building maintenance.

\*Awarded with the design seal for disabled living

# Ideas with future potential.



davos/studio white



davos/studio white



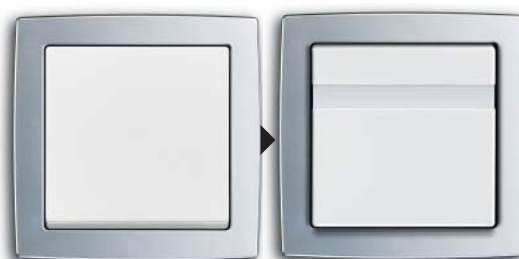
davos/studio white



davos/studio white

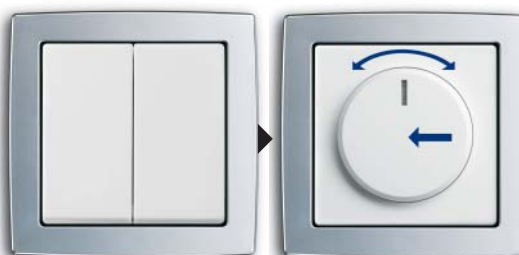


Rocker switch insert



**Previously:**  
Light switch

**Now:**  
Comfort switch



**Previously:**  
2x switches

**Now:**  
1x dimmer, 1x switch



**Previously:**  
2x switches

**Now:**  
2x dimmers

# Ideas with future potential.

When replacing an old switch with a new one, only the rocker must be replaced as the insert itself is compatible with all Busch-Jaeger switch ranges.



davos/studio white

**solo® light switch.** Old Busch-Jaeger switches can be simply and inexpensively replaced with switches from a new series. You can offer the attractive apartments at a stable or even higher price and at the same time you can achieve good usage of your rental holding.

The Busch Comfort Switch is operated in the same way as a normal switch; it also provides you with additional comfortable switching options.



davos/studio white

**solo® Busch Comfort Switch.** The Busch Comfort Switch offers a whole new range of options in terms of operation. Different operation modes allow for semiautomatic switching on and off. For example, in the workroom the light is automatically switched on but manually switched off. In the hall, the reverse of the above-mentioned function makes sense.

In fact the standard switch allows for the independent operation of two lighting fixtures, the lighting however can't be dimmed.



davos/studio white

**solo® UP rotary switch.** With this dimmer, it is possible to switch or dim two different lighting fixtures or consumers. Move the rotary knob to the left or right to dim the object. By pressing the knob the other lighting fixtures are switched on and off. In the living room or bedrooms, the consumption of electricity is reduced and comfort is increased.

With the conventional 2gang switch, two lighting fixtures can be operated independently, they can, however, not be dimmed using the one control cover.



davos/studio white

**solo® FM series dimmer.** This dimmer allows you to dim two different lighting fixtures with the one control cover. Available 2gang switches or touch dimmers can be easily replaced with the Busch Memory series dimmer. This only takes a few minutes – new wires are not required.

# Economic efficiency from its most comfortable side.



## **solo®**

2gang combination switch-  
speaking location/door opener  
Colour: davos/studio white

If you economically plan your dwelling it does not mean that you renters must *rough* it. This intercom system, which can be integrated into different FM combinations of the Busch-Jaeger switch ranges, unites the best functions with a superior design. The respective covers are available in the colours of the switch ranges solo®/future®.

Having a uniform switch range in all apartments reduces the purchasing expenditure for replacement parts and at the same time saves on maintenance and repairs costs.



# 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.

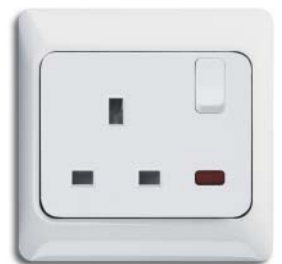
**British Standard: *alpha bs*<sup>®</sup>**



20 A DP Switch



20 A DP Switch  
with neon



13 A Switchsocket Outlet  
with neon

