



## Future-oriented. The new Busch-Universal master dimmer



The innovative and elegant Busch-Dimmer® units with their soft reduction of the volume of light create a perfect ambience to feel at ease. They offer the possibility of creating the kind of illumination that suits the mood and the occasion. And they add a special kind of magic to those intimate moments. Now also future-oriented. Busch-Dimmer® units for LEDs. Efficient use of light in a room.

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# Busch-Dimmer® units for LEDs. Always the perfect light.

LED lamps are the most modern lamps. They redefine the use of light and use only a fifth of the energy of conventional lamps. However, it has been impossible to dim them until now. In cooperation with market-leading LED manufacturers, ABB has developed high-quality dimmers that perfectly harmonize with these efficient light sources. The modern retrofit LEDs produce the same results as the conventional incandescent lamps.

The technology of the LED dimmers is based on transistors. They do not generate humming noises.

The new Busch-Universal master dimmer makes comfortable dimming of retrofit LEDs possible. The MDRC device offers numerous special functions and impresses with its extremely compact construction (1 MW).

## Comfortable control of light for a wide range of lamps – ABB care for clarity and safety in the selection of dimmers

The innovative Busch-Universal master dimmer now makes comfortable dimming of so-called retrofit LEDs also possible from the electrical distribution. Aside from perfect light control of LED lamps, this device offers the end customer also the option of reliably activating conventional incandescent lamps, 230 V halogen lamps, as well as low-voltage halogen lamps with conventional inductive or electronic transformers.

In this way ABB not only care for clarity and safety in the selection of dimmers, but also offer the customer the advantage of equipping existing lamps with new LED lamps (retrofit LEDs) without having to go without the current dimming comfort. During the development of the new devices, the focus was on tuning dimmers and dimmers in such a way that they harmonize together perfectly and that regulating the brightness functions is as flicker-free and homogeneous as one is used to with previous incandescent lamp dimmers.

This task the Busch-Universal master dimmer handles perfectly. The option of being able to adjust a minimum switch-on brightness that is tuned to the lamp, guarantees that the LED lamp will always safely switch on. The dimming process is as harmonious and flicker-free as one is used to with conventional incandescent lamp dimmers. The brightness regulator is equipped with a transistor and operates in all positions totally silently and without any humming or buzzing noise. Also the maximum brightness can be set.



## Product advantages

- » Reliable and comfortable dimming of LED lamps
- » Tuned to replacement lamps (retrofit LEDs)
- » Brightness regulator downward compatible – also suitable for conventional incandescent lamps, 230 V halogen lamps and low-voltage halogen lamps with conventional inductive and electronic transformers.
- » Touch-dimmer with local operation
- » Adjustable minimum / maximum brightness
- » Staircase light function with automatic switch-off function and pre-warning function according to DIN 18015-2
- » Perfect function and comfortable operation
- » Harmonious and flicker-free dimming process
- » No humming or buzzing due to transistor technology
- » Numerous practical special functions
- » Extremely compact construction as MDRC device (1 MW)

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