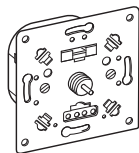


Rotary dimmer insert for inductive load

User Guide



MEG5133-0000

SBD600RL

For your safety

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Safe electrical installation must be carried out only by skilled professionals. Skilled professionals must prove profound knowledge in the following areas:

- Connecting to installation networks
- Connecting several electrical devices
- Laying electric cables
- Safety standards, local wiring rules and regulations

Failure to follow these instructions will result in death or serious injury.

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK

The outputs may carry an electrical current even when the device is switched off.

- Before working on the loads, always disconnect the device from the supply via the upstream miniature circuit breaker.

Failure to follow these instructions will result in death or serious injury.

Notice

HAZARD OF EQUIPMENT DAMAGE

- If the X terminal is used for looping, the insert must be protected with a 10 A miniature circuit breaker.
- Only connect dimmable loads.
- Capacitive loads destroy the dimmer.
- Sockets must not be dimmed.
- Ensure that the device is disconnected from its circuit during the insulation resistance test.

Failure to follow these instructions can damage the device.

Rotary dimmer insert – introduction

With the rotary dimmer insert (hereafter referred to as "dimmer"), you can use a rotary knob to switch and dim ohmic and inductive loads such as

- Incandescent lamps and 230 V halogen lamps
- Low-voltage halogen lamps with dimmable, inductive transformers.

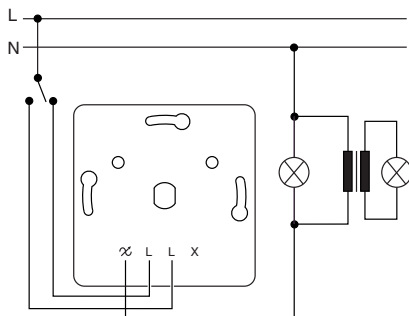
Installing the dimmer

i The maximum allowed load is reduced due to the decreased heat dissipation when you do not install the device into a single standard flushmount-ed mounting box:

Load reduction by	Mounted in cavity walls *	Several installed together in combination *	In 1-gang or 2-gang surface-mounted housing	in 3-gang surface-mounted housing
25 %	x	x		
30 %			x	
50 %				x

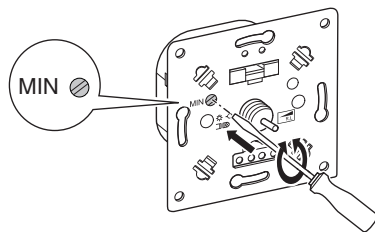
* If several factors apply, add the load reductions together.

Wiring the dimmer for the desired application.



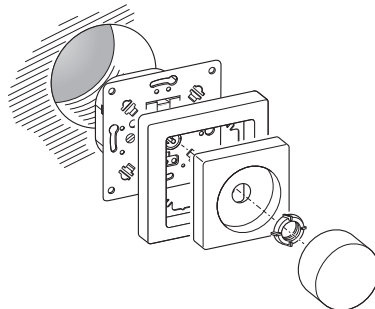
Setting the minimum brightness of the lamps.

i The connected lamps should illuminate a minimum brightness when the dimmer is switched on and when the rotary switch has been dimmed down. Set the minimum brightness before installing the covers.

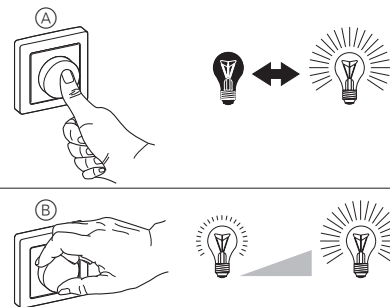


- ① Set the dimmer.
- ② Dim the brightness right down using the rotary knob.
- ③ Set the minimum brightness using the set-screw (MIN).

Installing the dimmer and covers.



Operating the dimmer



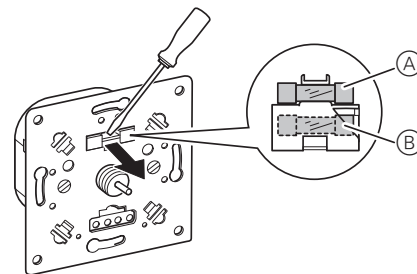
- You switch the connected lamps on and off by simply pressing the rotary knob (A).
- By turning the rotary knob (B), you dim the lamps brighter or darker.

What should I do if there is a problem?

The connected lamp doesn't switch on.

- Check the fuse, replace if necessary.
- If there is an overload due to the fact that the operating temperature is too high, it will not be possible to switch the dimmer back on and it must be replaced.

How to change the fuse



- ① Remove the covers.
- ② Prise the fuse holder out using a screwdriver.
- ③ Remove blown fuse (A) and replace with replacement fuse (B).

Technical data

Mains voltage:	AC 230 V, 50 Hz
Nominal load:	40 - 600 W
Minimum load:	40 W
Load type:	Ohmic and inductive load
Short-circuit protection:	Fuse, F6.3AH
Operating temperature:	+5 °C to +35 °C
Surge protection:	Electronic



Dispose of the device separately from household waste at an official collection point. Professional recycling protects people and the environment against potential negative effects.

Merten GmbH

Fritz-Kotz-Str. 8
51674 Wiehl - Germany
se.com/contact

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