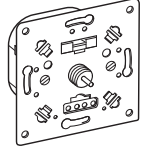


**Rotary dimmer insert for inductive load**

Operating instructions



SBD400RL, SBD600RL

**For your safety**

**DANGER**  
**Risk of fatal injury due to electrical current**  
 All work on the device should only be carried out by trained and skilled electricians. Observe the country-specific regulations.

**DANGER**  
**Risk of fatal injury from electric current.**  
 The outputs may carry an electrical current even when the device is switched off. Always disconnect the fuse in the incoming circuit from the supply before working on connected loads.

**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.

**CAUTION**  
**The device can become damaged.**

- Always operate the device with the specified minimum load.
- Protect the circuit with 10 A if further loads are to be looped on the X terminal of the device.
- Only connect dimmable transformers.

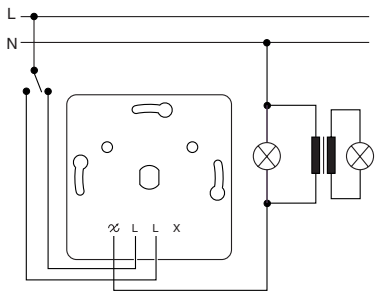
**Installing the dimmer**

**i** The maximum allowed load is reduced due to the decreased heat dissipation when you do not install the device into a single standard flush-mounted 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

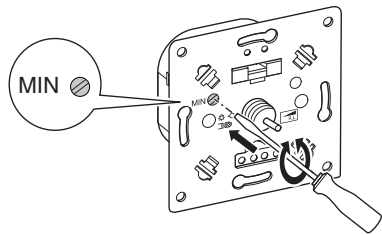
\* If several factors apply, add the load reductions together.

**Wiring the dimmer for the desired application.**



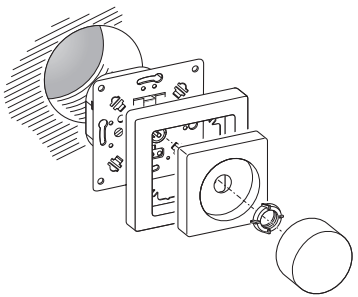
**Setting the minimum brightness of the lamps.**

**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.

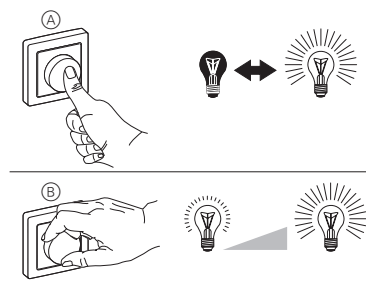


- 1 Switch on the dimmer.
- 2 Dim the brightness right down using the rotary knob.
- 3 Set the minimum brightness using the set-screw (MIN).

**Installing the dimmer and covers.**



**Operating the dimmer**



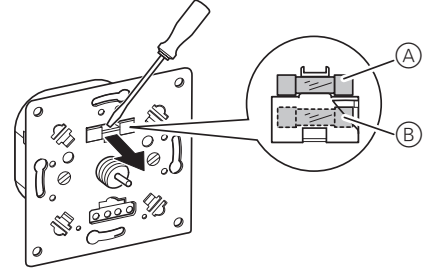
- You switch the connected lamps on and off by simply pressing the rotary knob (A).
- By turning the rotary knob (B), you dim the lamps brighter or darker.

**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:	
SBD400RL	40 - 400 W
SBD600RL	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

**Schneider Electric Industries SAS**

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