**Rotary dimmer insert for capacitive load**

*Operating instructions*

SBD315RC, SBD630RC

---

**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 capacitive loads such as:

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

---

**Installing the dimmer**

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                                         | x                                          | x                               |
| 30 %             |                           |                                           |                                             |                                 |
| 50 %             |                           |                                           |                                             |                                 |

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

---

**Operating the dimmer**

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).

---

**What should I do if there is a problem?**

The connected lamp doesn't switch on.

- Reduce the connected load.
- 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.

---

**Technical data**

- Mains voltage: AC 230 V, 50 Hz
- Nominal load:
  - SBD315RC: 20 - 315 W
  - SBD630RC: 20 - 630 W
- Minimum load: 20 W
- Load type: Ohmic and capacitive load
- Short-circuit protection: Electronic
- Operating temperature: +5 °C to +35 °C
- Surge protection: Electronic

---

**Schneider Electric Industries SAS**

If you have technical questions, please contact the Customer Care Center in your country.

www.schneider-electric.com

This product must be installed, connected and used in compliance with prevailing standards and/or installation regulations. As standards, specifications and designs develop from time to time, always ask for confirmation of the information given in this publication.