



61 100 330 - 1



## Current-limiting relay capacitive SBR61-230V/120 $\mu$ F

**Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!**

Temperature at mounting location:  
-20°C up to +50°C.  
Storage temperature: -25°C up to +70°C.  
Relative humidity:  
annual average value <75%.

1 NO contact 10 A/250 V AC. No standby loss.  
Built-in device for installation and surface  
mounting 45 mm long, 45 mm wide, 18 mm  
deep.

**Max. capacitive load 120  $\mu$ F downstream  
of rectifier (e.g. energy saving lamps and  
electronic ballast) or 60  $\mu$ F directly at the  
mains (e.g. shunt-compensated fluorescent  
lamps).**

Limiting resistor 24  $\Omega$ , limiting period approx.  
15 msec.

**The starting current impulse of energy  
saving lamps, fluorescent lamps and com-  
pact fluorescent lamps is limited to 10 A by  
short-time switch on (approx. 15 msec.)  
of heavy-duty resistors (24  $\Omega$ ).**

The current-limiting relay is connected on  
the load side of the protected relay contact.

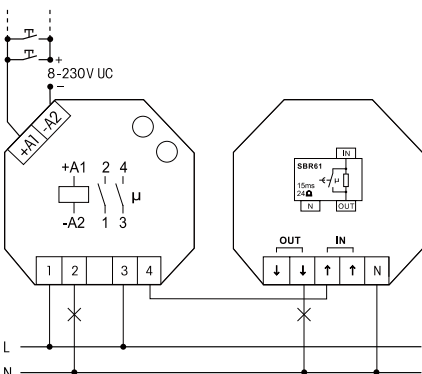
Permanent load max. 600 W, max. switching  
frequency 600/h.

### Explanation of capacitive load specification:

The specified max. capacitive load directly  
at the mains is the deciding factor deter-  
mining shunt-compensated fluorescent  
lamps or conventional ballast, for example.  
Here the capacitor switched in parallel to  
the mains is the deciding factor determining  
the correct dimensioning per lamp.

The specified max. capacitive load down-  
stream of the rectifier is the deciding factor  
determining fluorescent lamp ballast or energy  
saving lamps, for example. An equivalent  
capacitance of 10  $\mu$ F per lamp may be calcu-  
lated.

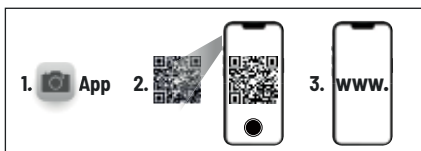
### Typical connection



Manuals and documents in further  
languages:



[http://eltako.com/redirect/  
SBR61-230V\\*120\\*F](http://eltako.com/redirect/SBR61-230V*120*F)



**Must be kept for later use!**

### Eltako GmbH

D-70736 Fellbach

#### Technical Support English:

+49 711 943 500 25

[technical-support@eltako.de](mailto:technical-support@eltako.de)

[eltako.com](http://eltako.com)

43/2023 Subject to change without notice.