

Current-limiting relays

capacitive SBR12-230V/240 μ F



1 NO contact 16A/250V AC.

No standby loss.

Modular device for DIN 60715 TH35 rail mounting.

1 module = 18 mm wide, 58 mm deep.

Max. capacitive load 240 μ F downstream of rectifier (e.g. energy saving lamps and electronic ballast) or 120 μ F directly at the mains (e.g. shunt-compensated fluorescent lamps).

Limiting resistor 12 Ω ,
limiting period approx. 15 msec.

The starting current impulse of energy saving lamps, fluorescent lamps and compact fluorescent lamps is limited to 20A by short-time switch-on (approx. 15 msec.) of heavy-duty resistors (12 Ω).

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

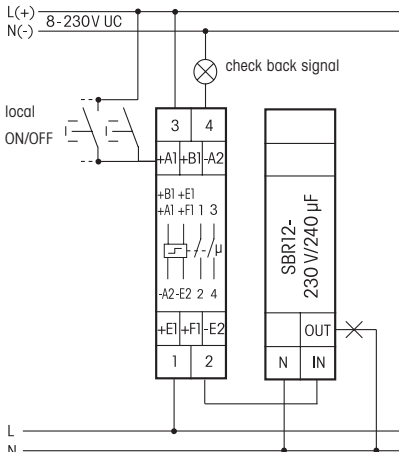
Permanent load max. 1200W,
max. switching frequency 600/h.

Explanation of capacitive load specification:

The specified max. capacitive load directly at the mains is the deciding factor determining 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 downstream of the rectifier is the deciding factor determining fluorescent lamp ballast or energy saving lamps, for example. An equivalent capacitance of 10 μ F per lamp may be calculated.

Typical connection



ES12Z with SBR12-230V/240 μ F



The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Important reminder!

This electrical equipment may only be installed by skilled electricians otherwise fire hazard or danger of electric shock exists!