

INRUSH CURRENT LIMITER



ESB101 Inrush current limiter

- Input voltage range 184~265VAC
- DIN-rail mounting, TS35
- Integrated bypass relay
- IP20, UL94V-0 housing

ESB101 is designed to withstand high inrush current during the period of time that the inrush current is generated by the switching mode powersupplies or the LED drivers. The inrush current limiter can withstand nominal continuous current of max. 16A. Total nominal primary current of each powersupply or LED driver combined cannot exceed 16A.

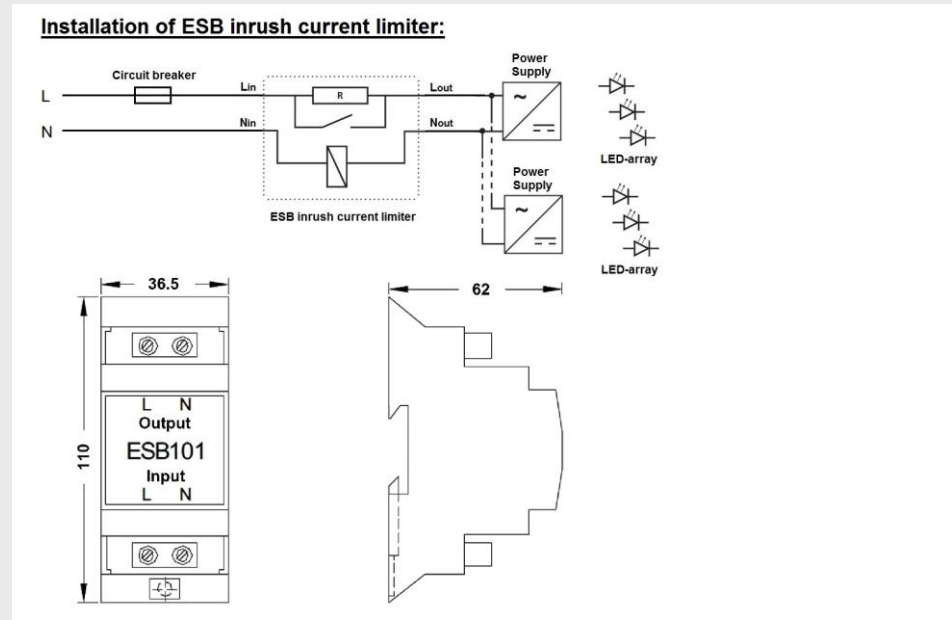
Please notice that the inrush current is limited only when the mains are switched on. ESB101 does not limit any surge or peak currents during normal operation.

Technical data:

Input voltage:	184-265VAC
Frequency:	16 2/3 - 440Hz
Max. continuous current:	16A
Power consumption:	19mA
Peak current limiting:	48A (+/-6%)
R.M.S. current limiting:	33.9A (+/-6%)
Max. capacitive load:	6000uF
Max. limiting time:	300ms (+/-50ms)
Current limiting cycles:	3 cycles per minute (mains on/off)
Overload protection:	Thermal fuse
Temperature range:	-40°C.....+70°C
Smallest advisable circuit breaker:	B13A
Connection:	Screw terminals, 0,5-6mm ²
Size:	36,5x110x62 mm
Weight:	121g
Safety and EMC:	Meet IEC/EN60950-1, cUL60950 EN55022 class B, EN61000-6-2,3

Mechanical drawing and connection instructions:

Notice that connection of Line (L) and Neutral (N) must be according to instruction below.



Ordering information:

Type	Continuous current	Number of powersupplies / ESB101
ESB101.LED.230VAC	Max. 16A	Primary current*number of powersupplies = max.16A