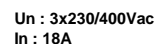


**SKY18FOGSIT**

The set for the solar power stations consists of a DC input radio-frequency interference suppression filter, sinusoidal filter, choke and line radio-frequency interference suppression filter. In case of synchronous operation of the inverters it is possible to add a three-phase sinusoidal filter consisting of three single-phase chokes.



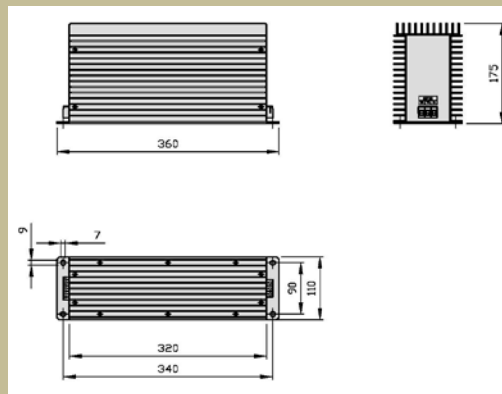
\* After a deal there is a possibility of modification of the filter construction according to the customer's request.

Technical drawings of the 1000 Series terminal block showing front, side, and top views with dimensions:

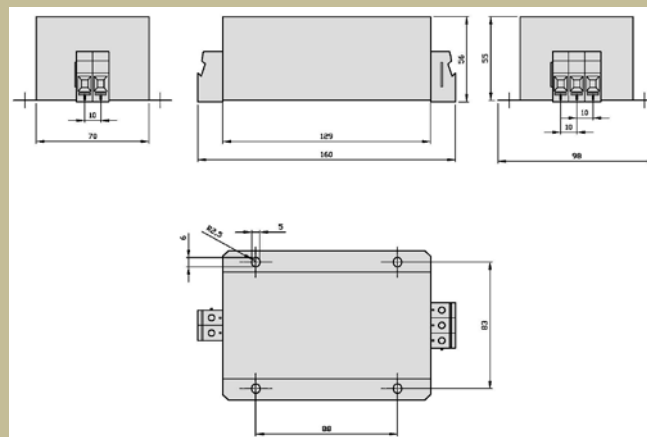
- Front View (Left):** Shows a 5-pin configuration. Dimensions: 98 (width), 19 (pin pitch), 12 (height), 10 (mounting hole offset), 10 (mounting hole diameter).
- Side View (Middle):** Shows the profile of the block. Dimensions: 129 (length), 100 (height).
- Top View (Right):** Shows the top of the block. Dimensions: 70 (width), 10 (pin pitch), 10 (height), 10 (mounting hole offset), 10 (mounting hole diameter).
- Bottom View (Bottom):** Shows the bottom of the block. Dimensions: 98 (width), 100 (height), 10 (pin pitch), 10 (height), 10 (mounting hole offset), 10 (mounting hole diameter).



#### SKY3FSM18-400CH

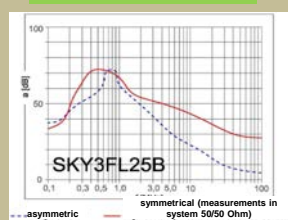


#### SKY1FLDC25C

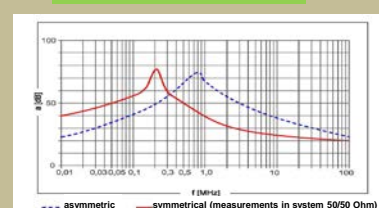


#### Attenuation characteristics:

##### SKY3FL25B

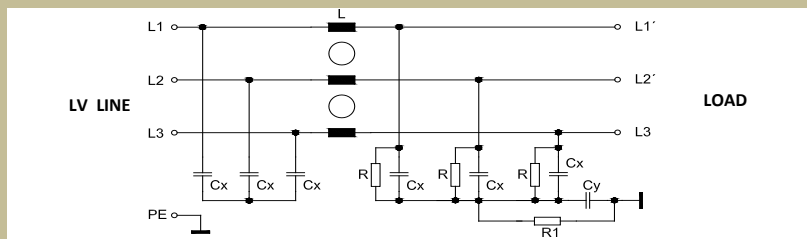


##### SKY1FLDC25C

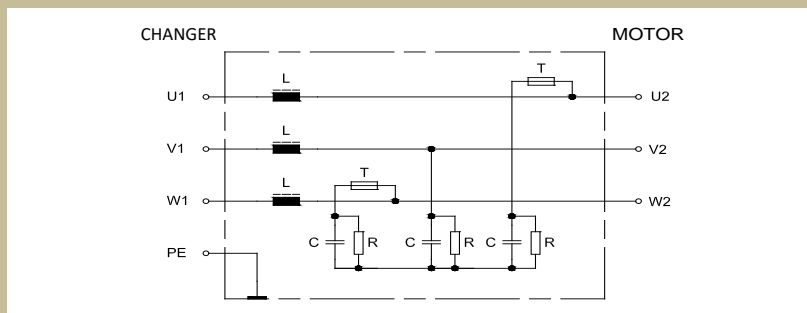


## Diagram:

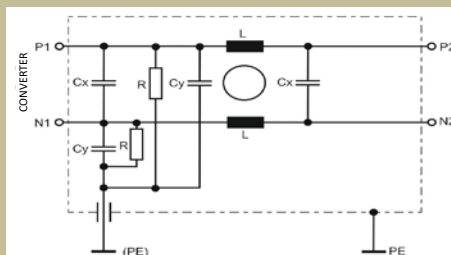
### SKY3FL25B



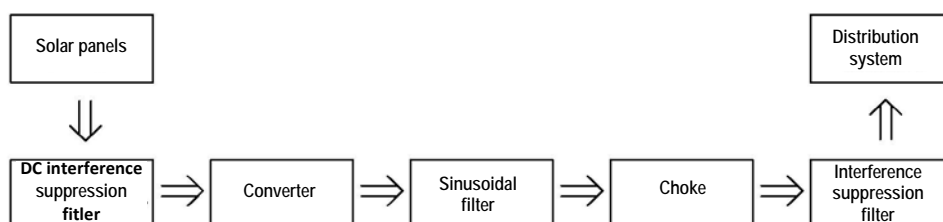
### SKY3FSM18-400CH



### SKY1FLDC25C



## Principle diagram:



## Dimensioning, wiring:

The DC interference suppression filter is supposed to be wired between the solar panels and converter. A low-frequency LCL filter, which consists of the sinusoidal filter and output choke, is supposed to be wired to the output side of the converter. The LC sinusoidal filter creates sinusoidal voltage from PWM converter. The L choke reduces inrush currents between the solar power station and LV line. The radio-frequency interference suppression filter, which reduces size of radio-frequency interference to distribution system from the converter, is supposed to be wired behind the output low-frequency LCL filter.