

PWF 3x16A/3x400VAC+N+PE

POWER LINE FILTER



PWF3x16A/3x400VAC+N+PE is an independent EMI-filter unit. In addition it has surge protection devices for each line.

PWF3x16A/3x400VAC+N+PE three phase power line filter is designed to suppress EMI noise. It fulfills strict performance, reliability and life time demands. It can be used as single phase filter also.

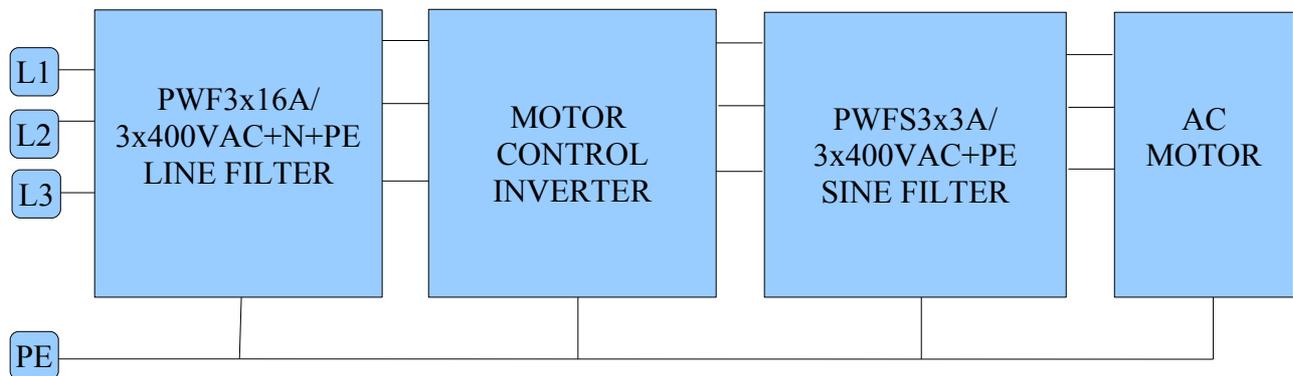
Unit is capable to handle 3x16A continuously at +50C ambient temperature. Rugged load terminals are in the front panel. This ensures flexible cabling in all circumstances and high IP-class.

Mounting possibilities are various. Units can be stacked together with M8 bolts.

EMI shielded connectors are used. It is possible to use EMI shielded cables on the input and the output. On the output side it is recommended, because output side can be very noisy in inverter or switch mode power supply applications. Possibility to use shielded cables unlike in many other filter solutions does remarkably improve the effectiveness of the filter.

EMI suppression qualities are excellent and optimized for inverter, switched mode power supply and motor controller applications. Surge protection feature effectively increases system lifetime in many cases by protecting the system against climatic or other over voltage spikes. In this case the line filter is much more than only EMI-Filter.

Application example:



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Electrical specification

Current capability: 16A rms max phase current.

Voltage range: 3x400VAC nominal.

Single phase use: Select L1 or L2 or L3 for phase line and N and PE line. 16Arms max current in single phase use.

Frequency range: 50/60Hz

Protections: Surge protection components on each line and between line to earth.

IP class: Even IP67 on demand. Equipped with gore valve for moisture/pressure control.

Safety: According to IEC60950. Wait 10s before removing connectors after line switched off. During this time internal capacitors are discharged.

Connectors: EMI shielded IP67 connectors with strain relief.

Mechanical dimensions:

Height 355mm, Width 255mm, Depth 80mm

Manufacturer: Powecon Oy, Elementitie 8, 41160 Tikkakoski, Finland.

www.powecon.fi