

Press Release

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Schaffner extends EMC Filter Series for Factory Automation and Machine Tools

Schaffner, the global leader in the fields of electromagnetic compatibility and power quality announces the availability of the FN3287 / FN3288 EMC filter series up to 230 A. These extend the range of EMC solutions to drive ratings up to 135 kW.

The new versions inherit the popular benefits of the existing series: A small footprint matched with choice of performance levels and solid safety connector blocks. Versions with controlled leakage current levels as low as 0.1 mA are available as well.

SCCR Rating of 100kA

The series is qualified with a Short-Circuit Current Rating (SCCR) of 100 kA according UL508, Ed. 18. This facilitates the design of safe and robust machines. Installations with this SCCR-rating can sustain high short-circuit currents of 100 kA without causing electrical shock or fire hazard.

Installation in Feeder Circuits saves Cost and Space

Feeder circuits bundle multiple machine installations and provide appropriate overcurrent protection. They combine several “branch circuits” and typically require an SCCR of 100 kA. The FN3287 / FN3288 series is therefore eligible to be used directly in feeder circuits to filter multiple installations with only one EMC filter. (Provided applicable safety measurements).

The user needs only one filter and saves valuable space in his installation cabinet.

Key standard features include

- Input voltage 760 VAC for FN3288HV and output current 10 to 230 A @ 50°C
- MTBF > 200,000 h and operating temperature range -40°C to +100°C (with derating >50°C).

Compliance and Certification

The design of the FN3287 / FN3288 EMC filters series corresponds to the requirements of UL 60939-3, IEC 60939-3, pollution degree 3 acc. IEC 60664-1, climatic class 40/100/21 acc. to IEC 60068-1, IP 20 acc. to IEC 60529.

Data sheets are available to download and for further information and availability, please visit [schaffner.com](https://www.schaffner.com) or get in touch with your local Schaffner sales representative or Schaffner partner for samples and quotations.

Schaffner – MORE POWER TO YOU

Schaffner is the worldwide leading consortium in the fields of 'electromagnetic compatibility' and 'power quality'. With its components it supports solutions for an efficient and reliable use of electric energy. With its products and services Schaffner Group significantly contributes to the promotion of technologies for the generation of renewable energies, ensures the reliable functioning of electronic devices and systems in compliance with all important quality and performance standards, and meets the requirements for increasing energy efficiency.

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