

Press Release

Sep 15, 2022

Schaffner extends EMC Filter Series for Robotics and Datacenters

Schaffner, the global leader in the fields of electromagnetic compatibility and power quality announces the availability of the new FN2520 and FN2660 very high-performance EMC filters. These now join the initial FN2500 and FN2640 models, extending the filter series designed for robotics and datacenters.

This new series of EMC filters have been developed to meet the specific needs of these two growing markets which have technical requirements in common that can now be met by the new filter family.

19-Inch Rack Compatible

Many applications, including robotics, datacenters and autonomous machines require power supplies to be mounted in 19" rack cabinets. To accommodate this and provide systems builders with seamless integration Schaffner has packaged the new EMC filter series in a space saving 1U rack-mount design.

Versatile Connection Options

The new EMC filters are available with a range of connection options. These include for FN2500, FN2520 on input and output include push-on terminals, cable glands, screw terminals or spring terminals. The FN2640, FN2660 offers IEC C14 (10-15A) or IEC C20 (16-20A) input connectors for direct mains connection and with a range of output connectors.

Key Features

- Input voltage 250 VAC @ DC to 60 Hz (FN2500 277 VAC / 400 VDC),
- Output current 10 to 20 A @ 40°C, MTBF > 300,000 h
- Operating temperature range -40°C to +100°C (with derating >40°C)

Compliance and Certification

The new FN2500 / FN2640 EMC filters meet the requirements of IEC 62368-1 - Audio/Video, Information and Communication Technology and equipment and IEC/EN 60335-1 - Household and similar appliances, Climatic Category 40/10 0/21 to IEC60068-1, Certified to UL 60939-3, IEC/EN 60939-3, GB/T 15287 and Protection category IP00 / IP20 for -103 terminals.

Data sheets are available to download and for further information and availability, please visit 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.

Contact

Felix Wedel

Product Manager

[felix.wedel \[at\] schaffner.com](mailto:felix.wedel@schaffner.com)