

Press Release: FN2500 / FN2640
Luterbach, 8 June 2022

Schaffner introduce FN2500 / FN2640 - EMC Filter Series for Robotics and Datacentres

[Schaffner](#), the international leader in the fields of electromagnetic compatibility and power quality announces the availability of the new FN2500 / FN2640 - EMC filter series for robotics and datacentres. The new filters have been developed to meet the specific needs of these two important and growing markets which have technical requirements in common that can now be met by the new EMC filters.

Many applications, including robotics, datacentres and autonomous machines require power supplies to be mounted in 19" rack cabinets. To accommodate this and provide systems builders with seamless integration Schaffner have packaged the FN2500 / FN2640 EMC filter series in a space saving 1U rack-mount design.

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

Key standard features include 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 and operating temperature range -40°C to +100°C (with derating >40°C).

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 for the [FN2500](#) and [FN2640](#) 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.