



Press Release

Schaffner introduces the newest generation of dv/dt filters

Motor drive output filters protect motor windings against excessive voltage peaks and inadmissible voltage pulse rise times generated by the inverter PWM output voltage. Dv/dt filters are required to fulfill the IEC60034-17/-25 standards defining the limits for IEC-and NEMA AC-motors and prolonging their life times.

Schaffner, the international leader in the fields of electromagnetic compatibility, power quality and motor drive output filters, introduces the new FN5060 standard dv/dt filter series for LV motor applications. These innovative filters are designed according to Schaffner's patented concept which enables dv/dt filter damping performance without using resistors. This simplifies the installation and saves mounting space.

The new filters are designed to offer minimum power loss, low voltage drop and thus help to maximize the system efficiency.

Several industries can benefit from the use of the new dv/dt filter such as the chemical, cement, metal, oil and gas, mining, applications in buildings and infrastructure environments (pumps, fans, HVAC) and other industries.

Not only to be used in areas where pumps and fans are controlled by drives with short motor cables, the dv/dt filters from Schaffner are also recommended to be used for applications with frequent braking, danger of flash-over voltage and motors running at high temperature. New motor drive generations control motors more often with higher switching frequencies. Therefore output filters, such as dv/dt or sine wave filters are required to ensure a continuous and long lasting operation.

The standard filter series are available with current ratings from 12A to 1,100A. Higher ratings can be engineered and delivered on demand.

All models are CE, UL, CSA and ENEC approved and RoHS compliant.

More detailed information is available on www.schaffner.com and from all Schaffner partners.



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Schaffner EMV AG

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For more information:

Charles Vanhouteghem

Product Marketing Manager

T + 41 32 681 67 18 (direct)

charles.vanhouteghem@schaffner.com

Frank Almer

Head of Corporate Communication

T +41 32 681 68 80 (direct)

frank.almer@schaffner.com

Schaffner EMV AG

4542 Luterbach, Switzerland

T +41 32 681 66 26

F +41 32 681 66 41

www.schaffner.com

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Schaffner – energy efficiency and reliability.

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.