NEWS **M613**

To:	Sales Manual Holder	Category:	Product News
From:	Herbert Blum	Product Group:	Single Phase Block Filter
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FMAB NEO

Compact Single-Phase Filter with High Symmetrical Attenuation

1

Product

SCHURTER is expanding its range of block filters for single-phase systems with its new FMAB NEO series. This range of single-phase filters combines a compact design with a high level of performance. The use of large X capacitors permits high symmetrical attenuation.

The new FMAB NEO filter series boasts a compact design combined with high performance. All versions come with large X capacitors, which ensure high symmetrical attenuation in the lower frequency range. Symmetrical interferences can occur because of phase-angle controllers or semi-conductor relays, for example. When the power semiconductors switch, they generate interference currents between the phase conductor and the neutral conductor. These are known as symmetrical interferences, which the X capacitors positioned between these conductors can help reduce effectively.

The filters in the new series have a shiny steel housing with a closed filter base. The filter is thus effectively and completely shielded, no matter how it is mounted. The filter series is particularly suitable for equipment with high symmetrical interferences, such as devices with semiconductors that control high-power equipment such as professional coffee machines, devices with water heaters, and all types of industry electronics. The compact filters are also suitable for medical equipment and household appliances.

The filter series is available with plug-in connections or thread bolts (30 A version). A version with wire connection is also available. They have a metal flange for easy screw-on mounting on the housing.

The series of devices is designed for current levels from 1 A to 30 A at 250 V AC according to IEC and UL standards. It has ENEC and cURus approvals and is suited for applications according to IEC 60950. Versions are available with small leakage currents <80 µA (M80) or without leakage current <5 µA (M5) for medical equipment according to IEC/UL 60601-1.

Technical Data / Approvals / Prices

- 250VAC single-phase block filter
- Single-stage filter with large X-capacitors
- Excellent symmetrical attenuation
- Filter available ins standard or medical M5 / M80 version
- Rated currents: 1, 3, 4, 6, 8, 10, 12, 16, 20, 30A (ENEC / UL / CSA) at 40°C
- Chassis: Screw-on mounting, from top
- Quick connect terminals 1 – 20A, nut and bolt 30A, optional wire leads

Detailed technical data and the order numbers can be found in the data sheet **data sheet [1]** on the SCHURTER Website. **Approval Information [2]** is available on the SCHURTER Website. Price lists can be found on the **Partner Service [3]**.

Application

- For applications with high symmetrical interferences
- Industrial applications
- Household appliances
- Datacom equipment
- Medical equipment

Training & CAD data

Training documentation with application specific information is on the **Partner Service [3]**.
CAD data [5] are available on our Website.

Availability

The following part numbers are available from stock:

Part no.	Current	Terminals
5500.2630.01	1A	Quick connect
5500.2631.01	3A	Quick connect
5500.2632.01	4A	Quick connect
5500.2633.01	6A	Quick connect
5500.2634.01	8A	Quick connect
5500.2635.01	10A	Quick connect
5500.2636.01	12A	Quick connect
5500.2637.01	16A	Quick connect
5500.2638.01	20A	Quick connect
5500.2639.03	30A	Bolt and nut M4

Higher quantities have a lead time of 6 to 8 weeks. For further information about available stock visit **stock check [6]** on our Website.

Advertising & PR text

The **Product news [4]** on the SCHURTER Website has been updated with the new series FMAB NEO. PR text and advertisement in German and English as well as the PR photo are available on the **Partner Service [3]**.

Competition

- Schaffner FN 2030
- Tyco-Corcom K Series
- Radius Power RP120, RP135 serie

If you have any questions please do not hesitate to contact us.

Kind regards

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Sales Information Links

[1] Technical data http://www.schurter.com/pdf/english/typ_fmab_neo.pdf

[2] Approvals information http://www.schurter.ch/en/Documents-References/Approvals

[3] Partner Service http://www.schurter.com/Partner-Information/Partner-Service

[4] Product news http://www.schurter.com/New-Products/EMC-Products

[5] CAD data http://www.schurter.ch/en/Documents-References/CAD-Drawings

[6] Stock check http://www.schurter.ch/en/Stock-Check

Microsite FMAB NEO: http://fmab-neo.schurter.com