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## Filtered Power Entry Module Includes Ground Choke

Santa Rosa, California, March 4, 2020 – SCHURTER extends its successful power entry module series C20F with versions including a ground line choke, designed for suppressing high-frequency interference on the ground conductor. Additionally, the new variants have a bigger X-capacitor for better symmetrical attenuation.

The C20F filter series combines an IEC C20 appliance inlet with a high-quality mains filter. The series now includes versions equipped with a ground choke on the earth conductor, in addition to the current-compensated choke on the pole and neutral conductor. The ground choke is located between the mains inlet and the filter output. Placing it directly at the mains input ensures that possible high-frequency interference currents on the earth conductor cannot bypass the filter via the housing, thereby eliminating the potential for ground loops. Medical filters, in particular (no Y-capacitors), benefit from improved asymmetrical attenuation in the higher frequency range due to the ground choke. A wide, low profile flange or metal snappers secure the unit to the panel, making contact to the housing surface over a large area, thus enabling optimum filtering and shielding. The unit is fully potted.



The C20F filter series is available as standard or medical version and is used in devices that are required to meet stringent immunity requirements. These include IT or telecom systems according to IEC 92368-1 and medical devices according to IEC 60601-1. The series is compatible with V-Lock retaining cord sets. Rated for currents up to 16 A / 250 VAC according to IEC standard and 20 A according to UL/CSA standard at 125/250 VAC, the C20F is ENEC, CQC and cURus approved.

Pricing for the C20F with ground line choke starts at \$22.00 at 100-piece quantities. Link to datasheet [C20F](#). For sales and product information, contact Cora Umlauf at (800) 848 -2600 or by email at [info.sinc@schurter.com](mailto:info.sinc@schurter.com).

### About SCHURTER Inc.

The SCHURTER Group is the world's leading Swiss technology company providing components and complex solutions that ensure safe power supply and simplified equipment operation. The company's professional competence, financial independence, innovative strength and distinctive corporate culture, propel the SCHURTER Group, together with its customers and partners, into the digital future. The safe&easy brand claim not only refers to the products, but also the company's business philosophy, which strives for sustainable success through innovation, high-quality products and service, flexibility and proximity to customers.

SCHURTER is known globally as an innovator, manufacturer and distributor of fuses, connectors, circuit breakers, switches, EMC products, and input systems. Touch screens and touch panels, capacitive sensor keypads, membrane keypads and housing systems are developed in close cooperation with its customers. Within its business unit Solutions, SCHURTER combines all competencies and puts them at the customer's disposal. SCHURTER products and solutions are developed especially for specific industry segments – medical, data and communication, automotive, avionics & space, energy and the broader industrial market. SCHURTER considers the quality of its products and services as the key factor to the company's lasting success. Its management and improvement processes are designed and certified according to ISO 9001, ISO 13485, ISO 14001, ISO 45001 and IATF 16949, using the EFQM and Baldrige Excellence Models, as well as the application of Lean Management principles such as Value Stream Planning, Power Innovation, SSO, and Six Sigma.

SCHURTER Inc., Santa Rosa, California is the exclusive North America sales and distribution office for the SCHURTER Group.