

# Press Release

Lucerne, 29.07.2016  
M694

## 5120 now with plastic flange: Filtered appliance inlet offers plastic flange with attractive flat design

SCHURTER's popular filtered appliance inlet, 5120 series, is now available with a plastic flange. The new option expands the existing series, which features a metal flange for screw mounting. The new version features a flat front design, which offers an attractive modern-looking alternative to like products on the market.



The newly expanded 5120 series filtered inlet provides customers with more design choices. In addition to various performance features offered in the compact package, the customer can now select between the new front panel mount version with plastic flange and the existing version with metal flange. The plastic flange is modernized to eliminate the bevel around the inlet, providing an attractive flat design that nearly covers the entire surface of the metal flange of the filter case. Mounting takes place with either counter-sunk or flat-head screws. The inlet is equipped with a notch for V-Lock retaining cordsets.

The EMC filter is available in standard, medical M5 or M80 versions. The standard filter version uses capacitors class X2 and Y2. Alternatively on request, are versions with capacitors class X1 and Y1 for enhanced surge withstand voltage protection. The series is also available in a protection class II version, without ground pin, according to IEC 61140. The integrated filter at the power input provides highly effective interference suppression, which results in optimized electromagnetic compatibility. Current ratings for the 5120 series range from 1 - 10 A (IEC) or 1 - 15 A (UL) at 250 VAC. The standard 5120 offers quick-connect terminals 6.3 x 0.8 mm, solder terminals, wire leads or PCB terminals. The series is ENEC, cURus and CCC approved and suited for use in equipment according to IEC 60950, IEC 60601-1, in addition to IEC 60601-1-11. SCHURTER's range of protection class II inlets and power entry modules offer a broad selection for use in medical homedics equipment.

### Technical data:

- IEC C14 power-inlet connector with filter
- Filter standard, medical M5 / M80 versions
- Filter capacitors standard class X2, Y2 or class X1, Y1
- Rated currents: 1, 2, 4, 6, 10A (ENEC, CCC) 1, 2, 4, 6, 10, 15A (UL, CSA) at 40 °C
- Protection class: I and II
- Mounting: Screw mounting from front side
- Terminals: Faston connectors 6.3 x 0.8mm, solder connectors, wire leads, PCB terminal options

### Application:

- Datacom equipment, medical and measurement instruments, industrial appliances
- Ideal for compact, high-density switching power supplies with high transient loads
- Suited for medical equipment according to IEC 60601-1
- Protection class II versions are especially well-suited for medical equipment intended for use in the home according to IEC 60601-1-11

### Internet:

[Datasheet 5120](#) [1]  
[Microsite V-Lock](#) [2]

**Company:**

SCHURTER is an internationally leading innovator and manufacturer of electric and electronic components. The company focuses on safe power supply and easy-to-use equipment. Its extensive product portfolio comprises standard solutions in the fields of circuit protection, plugs and connectors, EMV products, switches, input systems and electronic manufacturing services. SCHURTER's global network of representative offices ensures reliable delivery and professional customer service. Where standard products are unsuitable, the company develops client-specific solutions.

**Contact:**

If you require further information, please contact SCHURTER using the following information:

Division Components  
SCHURTER Group

SCHURTER AG  
Product Marketing  
Werkhofstrasse 8-12  
P.O. Box 4168  
6002 Lucerne  
Switzerland  
T +41 41 369 31 11

[contact@schurter.ch](mailto:contact@schurter.ch)  
[schurter.com](http://schurter.com)

[1]: <http://www.schurter.com/en/datasheet/5120>

[2]: <http://v-lock.schurter.com>