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From:	Herbert Blum	Product Group:	PEM with Filter
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5120 Now with Plastic Flange

Filtered appliance inlet offers plastic flange with attractive flat design

Product

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 0.8mm, 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 / Approvals / Prices

- 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

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

- 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

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:

Rated current [A]	Filter version	Configuration code	Part no.
1	standard	5120.7000.0	3-101-140
2	standard	5120.7001.0	3-101-141
4	standard	5120.7003.0	3-101-142
6	standard	5120.7004.0	3-101-143
10	standard	5120.7006.0	3-100-776
15	standard	5120.7007.0	3-101-144
1	medical M5	5120.7300.0	3-101-145
2	medical M5	5120.7301.0	3-101-146
4	medical M5	5120.7303.0	3-100-794
6	medical M5	5120.7304.0	3-101-147
10	medical M5	5120.7306.0	3-101-148
15	medical M5	5120.7307.0	3-101-149

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 5120 with plastic flange.

PR text and advertisement in German and English as well as the PR photo are available on the [Partner Service \[3\]](#).

Competition

Schaffner FN9222, TDK/Epcos B84771, High&Low SS1, Delta GE, Tyco/Corcom EEA

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

Kind regards

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Sales Information Links

- [1] Data sheet http://www.schurter.com/pdf/english/typ_5120.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: <http://v-lock.schurter.com>