

IEC appliance inlet GSP4 for print circuit boards

SCHURTER has developed a new 16 A appliance inlet for efficient mounting. Designed for print circuit board mounting, the appliance inlet can be easily sandwiched between split enclosures and tested before it is installed in the equipment. Stabilizing posts provide quick snap-in assembly to the PCB. A version with screw mount stabilizers is also available.



The new IEC appliance inlet GSP4 from SCHURTER offers a compact solution for IEC C20 inlets used in applications where power components are board mounted. Equipped with print circuit board terminals for L, N & E, and a 6.3 x 0.8 mm quick connect or solder tab for additional ground to chassis, the GSP4 can be securely snapped-in or screwed-on to a print circuit board before soldering. This is achieved by means of robust stabilizing posts, which also serve to absorb withdrawal and insertion force. Rear mount styles are also available with or without mounting ears. An optional back-side cover for the appliance inlet is available for protection against accidental contact. The inlet is compatible with V-Lock cordsets. The V-Lock retaining system provides a safe and secure power connection by preventing unintentional disconnection of the power cord from the inlet. The GSP4 can also be delivered in Protection Class II, that is as an IEC C24 type socket. SCHURTER's GSP2 IEC C14, 10 A model, offers the same advantages and is proven itself on the market over many years.

The GSP4 is approved to IEC 60320 by ENEC and CCC for 16 A / 250 VAC, by UL for 20 A / 250 VAC and by CSA for 18 A / 250 VAC. These appliance inlets are suited for applications according to IEC/EN 60950 and fulfill the enhanced glow-wire test requirements for equipments according to IEC 60335-1. They provide excellent features in power supplies, IT equipment, medical electrical equipment, lighting systems as well as test and measurement systems.

Technical features:

- C20/C24 appliance inlets, 16 A / 20 A, for print circuit boards
- Split panel assembly in front panels with thicknesses from 1 to 4 mm, screw-on assembly
- V-Lock cord-retention mechanism as a standard feature
- ENEC and CCC approvals for 16 A / 250 VAC, UL for 20 A / 250 VAC and CSA for 18 A / 250 VAC

Internet:

[GSP4 Microsite](#) [1]

Company:

SCHURTER continues to be a progressive innovator and manufacturer of electronic and electrical components worldwide. This year the company is celebrating its 80th anniversary.

Since 1933 the name SCHURTER stands for a safe and clean supply of power, while making equipment easy to use. We offer a broad range of standard products including circuit protection, connectors, EMC products, switches and input systems, as well as electronic manufacturing services. Moreover, SCHURTER is ready to work with our customers to meet their application specific requirements, not covered in our standard range. You can rely on SCHURTER's global network of companies and partners to guarantee a high level of local service and product delivery.

Contact:

Should you have any questions regarding these or other SCHURTER products, please contact:

Division Components
SCHURTER Group

SCHURTER AG
Product Marketing
Werkhofstrasse 8 - 12
PO Box
CH-6002 Lucerne
Switzerland
T +41 41 369 31 11

contact@schurter.ch
schurter.com

[1]: <http://gsp4.schurter.com>