

FPG: SMD fuseholder with stabilizing posts

SCHURTER equips its FPG7 shock-safe SMD fuseholder with two stabilizing posts. The added posts extend from the existing front standoffs, providing increased stability during board assembly, and when replacing the fuse. The FPG7 is also the only shock-safe SMD fuseholder on the market for 5x20 mm cartridge fuses.



The trend towards SMD applications continues unabated. In response, SCHURTER already offers a large selection of SMD components such as fuses and fuseholders in its product range. As part of the SCHURTER range, the FPG7 offers the only shock-safe SMD fuseholder on the market. The added stabilizing posts improve the design, by optimizing the stability of the fuseholder during the mounting and soldering process of the PCB. Further, the stabilizing posts help absorb the axial forces that arise when the fuse is being replaced.

With rated power acceptance of up to 2.5 W at 10 A / 250 VAC according to IEC, combined with rated current of up to 16 A at 400 VAC according to UL/CSA, the FPG7 is the ideal solution for applications requiring primary protection. Overall, the FPG7 is well suited for applications where the following requirements must be met: SMD assembly, compact design, primary protection, and external access to fuses. Specific applications in this regard include industrial and medical equipment as well as household appliances. Depending on the application, the customer can select between two fuse cap options, either a slotted version for screw driver access or fingertip version.

The FPG7 is manufactured with RoHS-conforming materials that are temperature resistant and designed for reflow soldering processes. These materials today meet the requirements for equipment in unattended operation according to IEC 60335-1 and the intensified glow-wire test requirements according to IEC 60695-2. Furthermore, the FPG7 achieves a protection class of IP40 and a shock-safe category of PC2. The blister tape packaging option enables efficient manufacturing using automatic placement machines. All versions of the FPG7 have VDE and cURus approvals.

Technical data:

- Rated voltages up to 400 VAC
- Rated currents up to 16 A
- Rated power consumption according to IEC up to 2.5 W at 10 A
- Protection class IP40
- Shock-safe category PC2
- VDE and cURus approvals

Internet:

[Datasheet FPG7](#) [1]

[Selector Fuseholder](#) [2]

Company:

SCHURTER continues to be a progressive innovator and manufacturer of electronic and electrical components worldwide. Our products ensure 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, electronic manufacturing services as well as solutions. 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. SCHURTER AG is furthermore proud winner of the ESPRIX Swiss Award for Excellence 2014 in the category large-scale enterprises.

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[1]: http://www.schurter.ch/pdf/english/typ_FPG7.pdf

[2]: http://www.schurter.ch/wwwsc/con_pg02.asp