

## 阅读申明

- 1.本站收集的数据手册和产品资料都来自互联网，版权归原作者所有。如读者和版权方有任何异议请及时告之，我们将妥善解决。
- 2.本站提供的中文数据手册是英文数据手册的中文翻译，其目的是协助用户阅读，该译文无法自动跟随原稿更新，同时也可能存在翻译上的不当。建议读者以英文原稿为参考以便获得更精准的信息。
- 3.本站提供的产品资料，来自厂商的技术支持或者使用者的心得体会等，其内容可能存在描述上的差异，建议读者做出适当判断。
- 4.如需与我们联系，请发邮件到marketing@iczoom.com，主题请标有“数据手册”字样。

## Read Statement

1. The datasheets and other product information on the site are all from network reference or other public materials, and the copyright belongs to the original author and original published source. If readers and copyright owners have any objections, please contact us and we will deal with it in a timely manner.
2. The Chinese datasheets provided on the website is a Chinese translation of the English datasheets. Its purpose is for reader's learning exchange only and do not involve commercial purposes. The translation cannot be automatically updated with the original manuscript, and there may also be improper translations. Readers are advised to use the English manuscript as a reference for more accurate information.
3. All product information provided on the website refer to solutions from manufacturers' technical support or users the contents may have differences in description, and readers are advised to take the original article as the standard.
4. If you have any questions, please contact us at marketing@iczoom.com and mark the subject with "Datasheets" .

# Switchcraft®

[Previous Page](#) | [Return to Index](#) | [Next Page](#)

## High Power Connectors Panel Mounts and Cord Plugs



## HPC Series

Switchcraft recently introduced a complete line of panel mount speaker connectors that are completely compatible with the Neutrik® Speakon® 4 pole series. We are now introducing a complete line of cable mounts as well. The complete HPC Series offers both panel mount and cord mount connectors.

The HPC panel mounts have been updated with new silver-plated contact materials that boost the contact ratings to 30A per UL 1977 on PC mount versions, 50A per UL 1977 on Faston versions. They are still available with either 0.100" depth flanges or 0.200" depth flanges. The 0.200" depth flange allows for rear mounting of the HPC Series, and proper mating of all cord plugs. The panel mount versions are available with either 0.187" or 0.250" Faston terminals, and either straight or right angle PC mount terminals. The right angle PC mount version also has, as an option, a mounting post which allows the connector to snap onto the PC board for wave soldering.

The HPC cord plugs are available in either straight, right angle, or as an in-line. The in-line version mates with either the straight or right angle cord plug, allowing the end user to extend cable runs. All cord plugs are compatible with Speakon® panel mounts. The in-line mates with our HPC cord plugs, as well as Speakon® cord plugs. The unique feature of the HPC series cord plugs are the "push to lock" feature, similar to the connection of an XLR connector. The HPC cord plugs, when mated to either HPC panel mounts or Speakon® panel mounts do not require a 1/4" turn to engage. Simply push the connector in until it locks. To disengage, push forward on the latch lever and pull the connector out. This feature eliminates the need to remember to turn the connector to make contact. All HPC cord plugs utilize 0.250" Faston terminals, which allow for easy assembly, and make it easy to change cord plugs. To change from a straight cord plug to an in-line cord plug, back off the strain relief nut, twist off the handle, disconnect the Faston terminals, fasten the new cord connector, twist on the handle and the strain relief. Barbs on the handle keep the handle from vibrating loose from the front shell.

Both HPC panel mounts and cord plugs incorporate a built-in gasket, which allows them to meet IP 25 harsh environment ratings, as well as IEC 529 and IEC 1010-1 safety ratings.

## Features and Benefits

- Completely compatible with Neutrik® Speakon® 4 pole connectors

- 30A rating per UL 1977 on PC mount versions
- 50A rating per UL 1977 on Faston versions
- Panel mounts have two different Faston terminal sizes, 0.187" and 0.250"
- Panel mounts offered with two different flange depths, 0.100" and 0.200"
- 0.200" depth flange offers easy rear mounting
- Right angle or straight PC board terminals on panel mounts
- Built in gasket gives all HPC connectors IP 25 environmental ratings
- All HPC Series meet IEC 529 and IEC 1010-1 safety ratings
- Cord plug versions offer "push to lock" design, no 1/4" turn to engage
- Cord plug versions accept 10 AWG wire, 0.560" cable OD max

Speakon® is a registered trademark of Neutrik Inc.

## Markets

- Loudspeakers
- Power audio amplifiers
- Medical
- Process Controls

## Specifications

### Materials

Housings: Thermoplastic UL94V-O rated

Seal Rings: Thermoplastic rubber

Contacts: Silver-plated over copper alloy

### Electrical

PC Terminals Current Rating: 30A per UL 1977

Faston Terminals Current Rating: 50A RMS w/10AWG wire, normal ambient, per UL 1977

Voltage Rating: 1,500 AC RMS, Per Mil-Std 202, Method 301

Insulation Resistance: > 2T Ohms

Contact Resistance: 1m Ohm, 1.5m Ohm after 1,000 insertions/withdrawals

### Mechanical

Shock: Mil-Std 202, Method 213B Cond. K

Vibration: Mil-Std 202, Method 201A

Life: 1,000 insertion/withdrawals

Cable Range: 0.560" OD max.

## Environmental

Salt Spray: Mil-Std 202, Method 101D Cond. B

Thermal Shock: Mil-Std 202, Method 107G

Temperature Limits: -55 C to +85 C

Moisture Resistance: Mil-Std 202, Method 106E

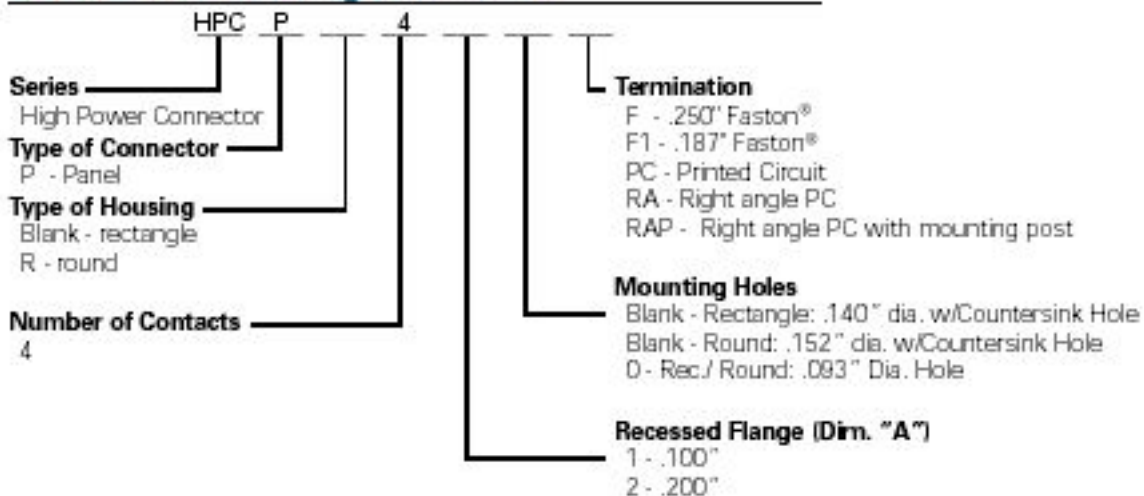
Life@Ambient Temperature: Mil-Std 202, Method 108A

Touch Proof: IEC 65 and 1010-1

Weather Tightness: IEC 529, IP 25

## Ordering Information

### Panel Mount Ordering information



### Cord Mount Ordering Information

Part Number	Description	Part Number	Description
HPCC4F	Straight Cord Plug	HPCI4F	Inline Cord Plug
HPCC4FRA	Right Angle Cord Plug		

Download Product Bulletin Pages:



- [NPB 544](#)

[Previous Page](#) | [Return to Index](#) | [Next Page](#)

| [Switchcraft home](#) |

[About Us](#) | [Products](#) | [What's New](#) | [Search](#) | [Contact Us](#)