



**THE DATASHEET OF**  
**M39029/56-353**



# HCP CONTACTS

High Current Pins to get your connections closer to uncut wire than ever before

PDS - 325



Amphenol is now offering high current pins that can be ordered with any Amphenol connector.

Using high conductivity alloys and precision machining Amphenol has developed a high current pin to reduce power loss in your application. Push the current carrying capability past the limits of a Mil-Spec contact, or simply improve the efficiency of your system while reducing the heat dissipated into your platform. Amphenol is able to estimate the KWH saved per year, just by switching to HCP.

### How to order example in our D38999+ Series:

Add (HCP) to the end of any pin connector (not applicable to socket connectors):

1. Connector Type	2. Shell Style	3. Service Class	4. Shell Size - Insert Arrangement	5. Contact Type	6. Alternate Positions	7. Modifications
TV	96	RW	15-35	P	A	<b>(HCP)</b>

### FEATURES AND BENEFITS:

- Fully interchangeable with M39029 pins
- Available in any Amphenol connector series\*
- 15%-25% improved ampacity

Gain benefit by changing out only the pin side of your connector system! (Size 22D to 12)



Temper-Grip + HCP

For high power applications contact us for more information

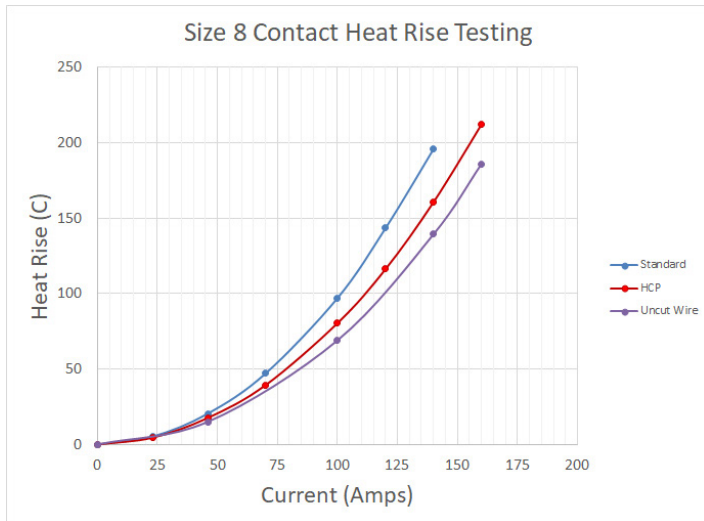
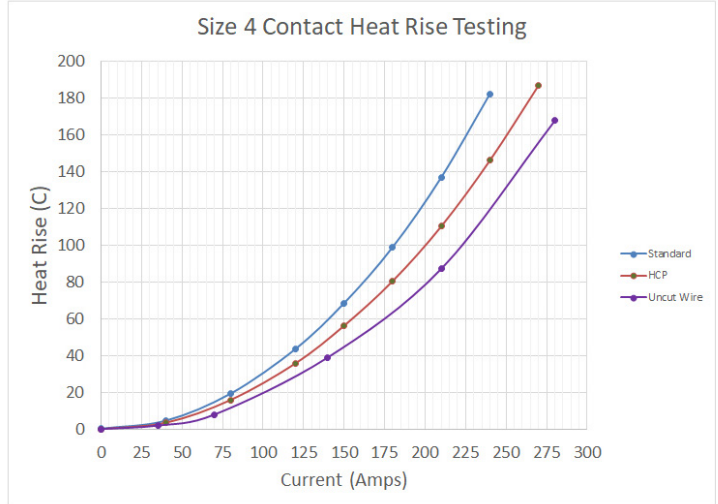
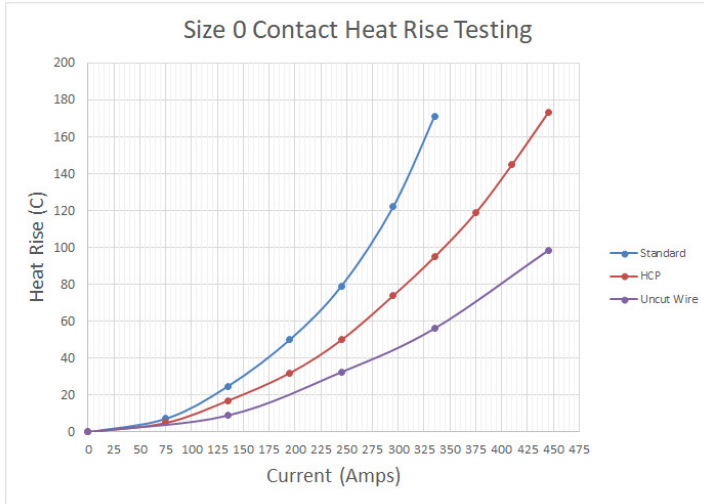
\*Contact factory for part numbers/quote

# HCP HEAT RISE TESTING DATA

Heat rise data shows performance of HCP (High Current Pins) compared to standard mil-spec pins and sockets.

HCP sizes 0,4, and 8 are mated with Temper-Grip Sockets. HCP with standard or Temper-Grip sockets (size 12 through 22D) compared to standard pin & socket.

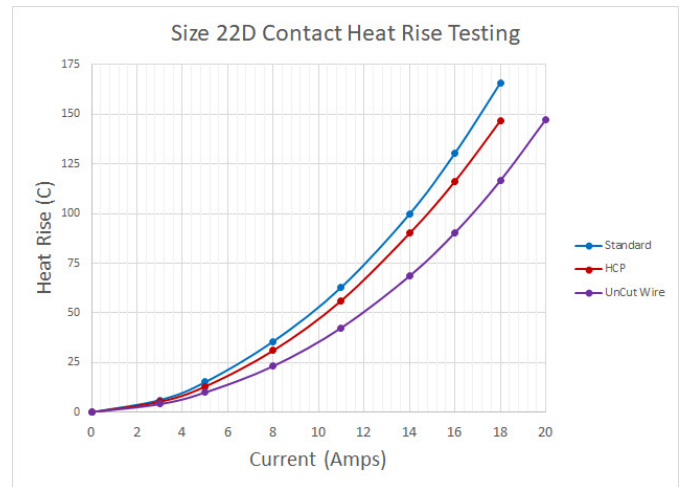
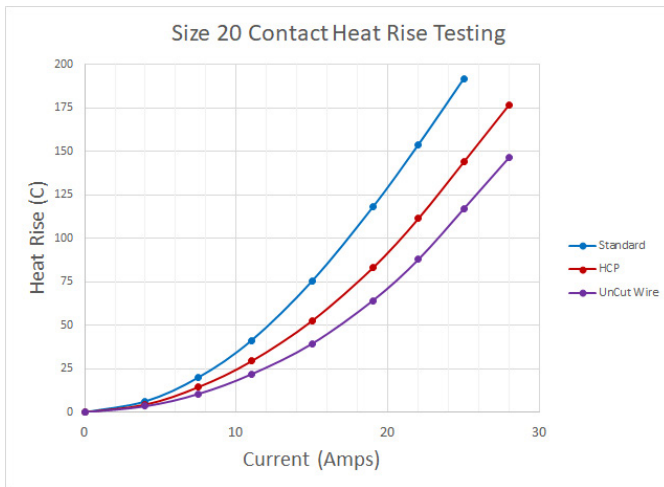
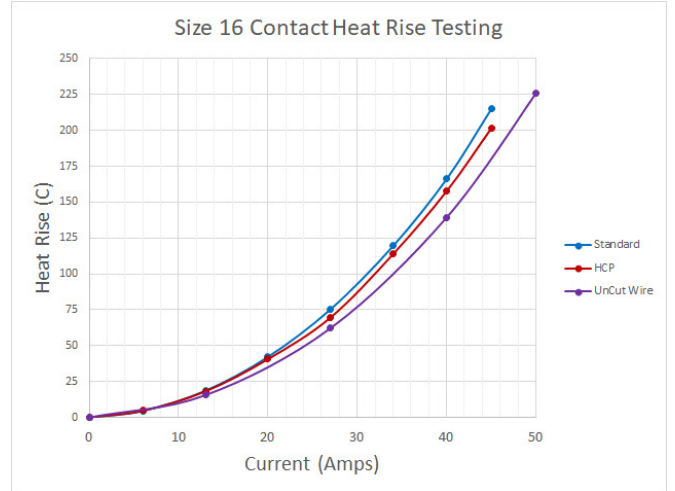
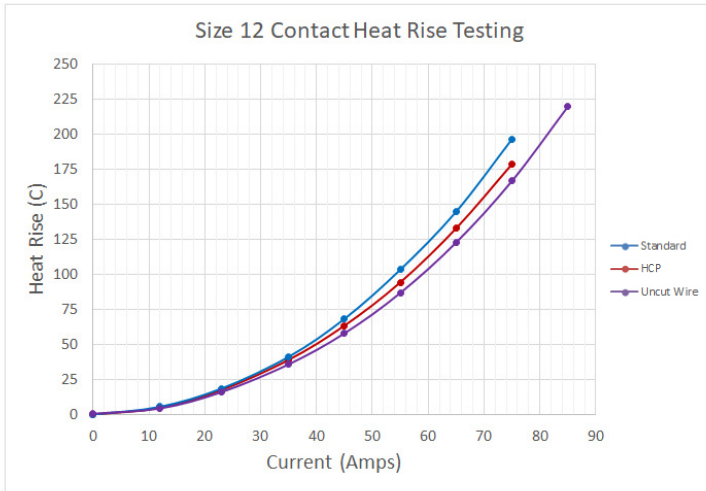
## HCP with Temper-Grip



# HCP HEAT RISE TESTING DATA

Smaller Temper-Grip contacts are under development (contact factory for more information), so HCP sizes 12,16, 20, and 22D were mated with a standard 39029 socket.

## HCP with Standard 39029 Sockets



## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View M39029/56-353](#) on WIN SOURCE

 [Amphenol](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

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-  Alternative Solution
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