

# Metri-Pack Connection Systems

### Description:

Metri-Pack is a family of electrical connection systems which utilizes internationally standardized male blade sizes, allowing for flexibility in design. Blade sizes range from 1.5 mm to 8 mm with current capability ranging from 14 to 60 amps. Metri-Pack systems are designed to be compatible with processing techniques such as automated pull-to-seat and push-to-seat assembly, dual-stage crimping, load cell crimp inspection and automated part identification and orientation.

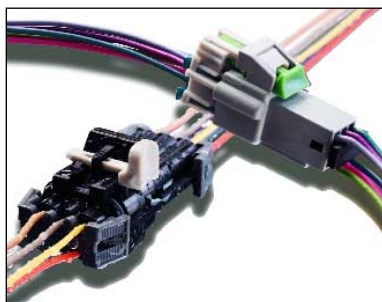
### Typical Application:

Ideal for low energy electronic circuits or power circuit applications, the Metri-Pack product line includes:

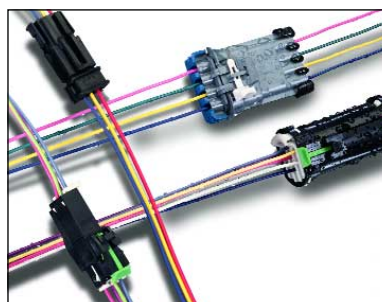
- High-performance interconnects in sealed or unsealed versions.
- Custom-engineered direct connections to motors, switches, sensors and other devices.
- Environmentally sealed electronic headers with current capacity of 14 amps, designed for service in severe environments.
- Junction blocks and electrical centers.

### Performance Advantages:

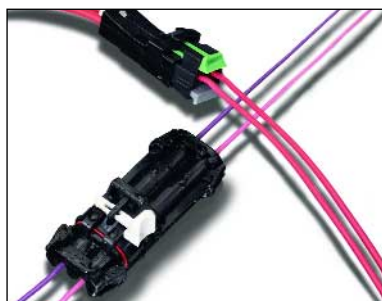
With an extended product range, Metri-Pack systems offer significant design and application versatility. Metri-Pack connections feature Terminal Position Assurance (TPA), Connector Position Assurance (CPA), serrated crimps and triple-rib peripheral seals. In addition, these field-proven systems provide exceptional performance, confirmed over many years on global applications.



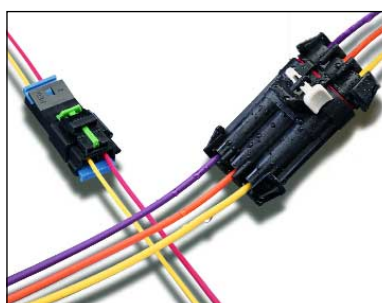
**150 Series**



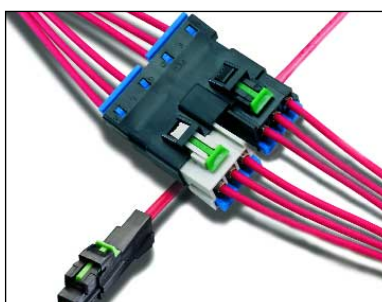
**280 Series**



**480 Series**



**630 Series**



**800 Series**

| Features                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• Connector Position Assurance (CPA)</li> </ul>                              |
| <ul style="list-style-type: none"> <li>• Terminal Position Assurance (TPA)</li> </ul>                               |
| <ul style="list-style-type: none"> <li>• Electrical versatility from high current to low energy circuits</li> </ul> |
| <ul style="list-style-type: none"> <li>• Excellent resistance to temperature, chemicals and abrasion</li> </ul>     |
| <ul style="list-style-type: none"> <li>• Strength and stability of terminals assures correct alignment</li> </ul>   |
| <ul style="list-style-type: none"> <li>• -40°C to 125°C temperature range</li> </ul>                                |

# Metri-Pack Connection Systems

## Application Guidelines

### 150 Series

|                                    |              |
|------------------------------------|--------------|
| Cable Range (mm <sup>2</sup> )     | 0.35 – 1.0   |
| Current Range (amps)               | 0 – 14       |
| Temperature Range (°C)             | -40 to 125   |
| Resistance                         | <10mΩ @ 20mV |
| Voltage Drop                       | <10.0mV/amp  |
| Centerline Spacing – unsealed (mm) | 3.5          |
| Centerline Spacing – sealed (mm)   | 6.0          |
| Blade Width (mm)                   | 1.5          |

### 280 Series

|                                    |              |
|------------------------------------|--------------|
| Cable Range (mm <sup>2</sup> )     | 0.35 – 5.0   |
| Current Range (amps)               | 0 – 30       |
| Temperature Range (°C)             | -40 to 125   |
| Resistance                         | <10mΩ @ 20mV |
| Voltage Drop                       | <3.0mV/amp   |
| Centerline Spacing – unsealed (mm) | 5.0          |
| Centerline Spacing – sealed (mm)   | 7.7          |
| Blade Width (mm)                   | 2.8          |

### 480 Series

|                                           |              |
|-------------------------------------------|--------------|
| Cable Range – unsealed (mm <sup>2</sup> ) | 0.35 – 5.0   |
| Cable Range – sealed (mm <sup>2</sup> )   | 0.50 – 5.0   |
| Current Range (amps)                      | 0 – 42       |
| Temperature Range (°C)                    | -40 to 125   |
| Resistance                                | <10mΩ @ 20mV |
| Voltage Drop                              | <3.0mV/amp   |
| Centerline Spacing – unsealed (mm)        | 6.9          |
| Centerline Spacing – sealed (mm)          | 9.5          |
| Blade Width (mm)                          | 4.8          |

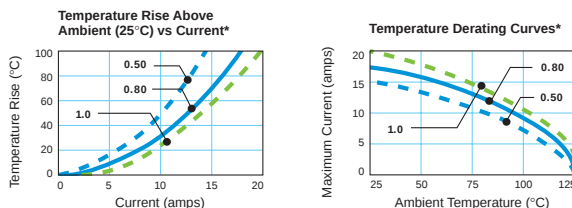
### 630 Series

|                                           |              |
|-------------------------------------------|--------------|
| Cable Range – unsealed (mm <sup>2</sup> ) | 0.35 – 5.0   |
| Cable Range – sealed (mm <sup>2</sup> )   | 0.50 – 5.0   |
| Current Range (amps)                      | 0 – 46       |
| Temperature Range (°C)                    | -40 to 125   |
| Resistance                                | <10mΩ @ 20mV |
| Voltage Drop                              | <3.0mV/amp   |
| Centerline Spacing – unsealed (mm)        | 8.5          |
| Centerline Spacing – sealed (mm)          | 10.8         |
| Blade Width (mm)                          | 6.3          |

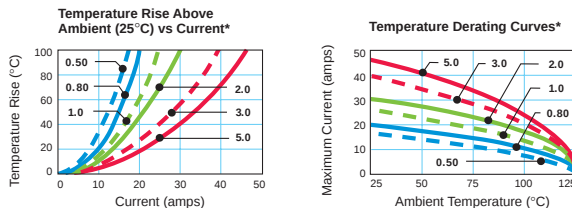
### 800 Series

|                                    |              |
|------------------------------------|--------------|
| Cable Range (mm <sup>2</sup> )     | 2.0 – 8.0    |
| Current Range (amps)               | 0 – 60       |
| Temperature Range (°C)             | -40 to 125   |
| Resistance                         | <10mΩ @ 20mV |
| Voltage Drop                       | <3.0mV/amp   |
| Centerline Spacing – unsealed (mm) | 10.3         |
| Blade Width (mm)                   | 8.0          |

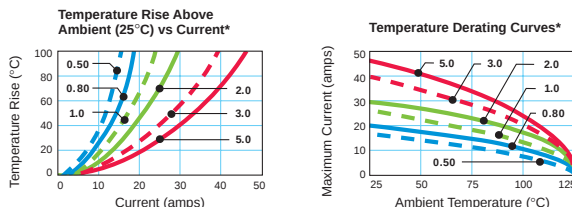
#### 150 Series Terminals – Tin Plated



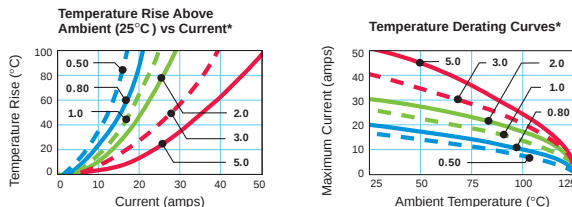
#### 280 Series Terminals – Tin Plated



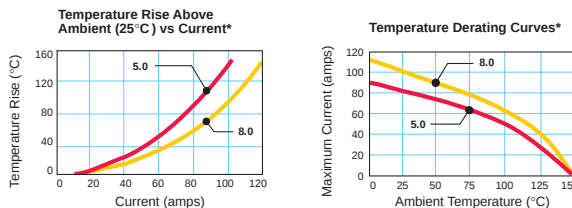
#### 480 Series Terminals – Tin Plated



#### 630 Series Terminals – Tin Plated



#### 800 Series Terminals – Tin Plated



\* The test data is based on single circuits in free space and was generated using a "Lumped Resistance" model. The data presented here does not account for all variables that would be present in an actual application. Delphi Engineering can model customers' specific applications upon request. For additional detailed product performance, contact 1-800-PACKARD or visit our website at [www.delphiconnect.com](http://www.delphiconnect.com).

| Cable Sizes         |                     |
|---------------------|---------------------|
| 0.5 mm <sup>2</sup> | 3.0 mm <sup>2</sup> |
| 0.8 mm <sup>2</sup> | 5.0 mm <sup>2</sup> |
| 1.0 mm <sup>2</sup> | 8.0 mm <sup>2</sup> |
| 2.0 mm <sup>2</sup> |                     |

# DELPHI

## Connection Systems

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Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits, General Dynamics и др.);

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- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



#### Как с нами связаться

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