

Product Overview

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.

Market Segments

Automotive
Non-Automotive

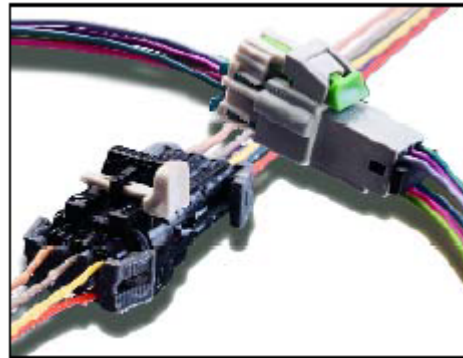
Features and Benefits

- Connector Position Assurance (CPA)
- Terminal Position Assurance (TPA)
- Electrical versatility from high current to low energy circuits
- Excellent resistance to temperature, chemicals and abrasion
- Strength and stability of terminals assures correct alignment
- -40°C to 125°C temperature range

Typical Applications

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.



Application Guidelines

150 Series

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

280 Series

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

480 Series

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

630 Series

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

800 Series

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

Terminal Crimp Tooling

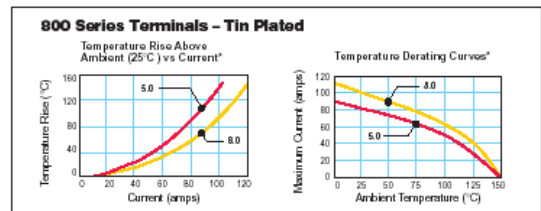
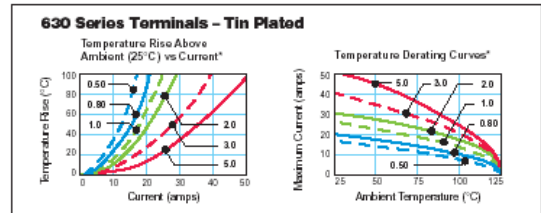
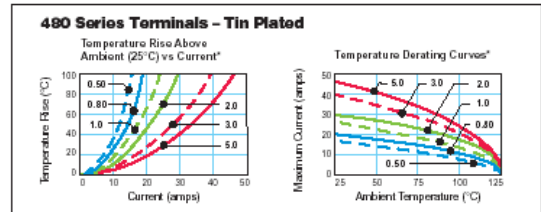
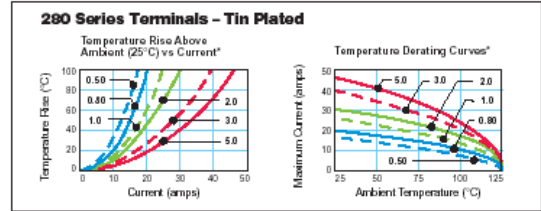
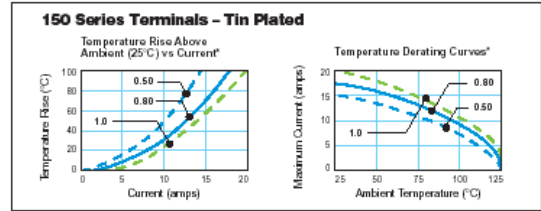
Delphi Global Crimp Tooling

PSG Hand Crimp Tool

NOTE: For correct reference of terminal part number to hand crimp tool information, please contact your Power & Signal Service representative

For pricing and samples, contact your Power & Signal Group Representative. Or, visit us on the web at www.powerandsignal.de.

For drawings, data sheets or 3-D CAD models, call our engineering department.



* 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 1-800-722-5273 or visit our website at www.delphi.com.

Cable Sizes	
0.50 mm ²	3.0 mm ²
0.80 mm ²	5.0 mm ²
1.0 mm ²	8.0 mm ²
2.0 mm ²	

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