

Delphi High - Current Ducon™ Series

Description – Delphi’s high-current Ducon connection system in sealed and unsealed versions. Available in three terminal sizes: 4.8 mm, 6.3 mm, 9.5 mm and a high temperature version, 9.5 HT.

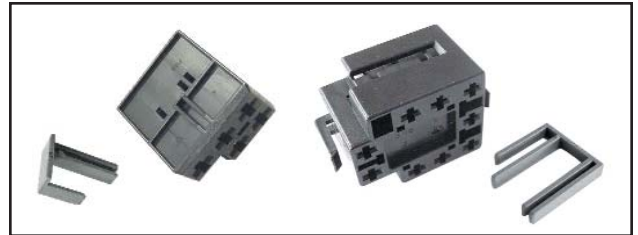
Typical Applications –

- Blower switches
- Fan devices
- Engine in-line interface (engine /body front harness)
- Doors off connections front and rear
- IP in-line interface (body rear /front harness)
- Ignition switches
- Light module switches
- Fan control units (In-line) ■ HVAC
- Power steering ■ Transmission

Performance Advantages –

- Superior electric performance within market segment
- Sealed and unsealed systems available
- 9.5 version for 16 mm² cable crimp

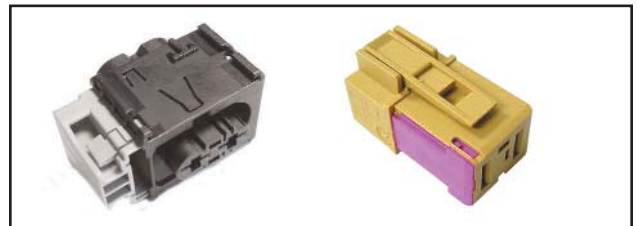
Features	Benefits
High energy, high voltage capability	– Ideally suited for high power applications. Reduced terminal size.
Excellent temperature and vibration resistance	– Superior performance in engine compartment areas subject to high vibration and temperature exposure.
Robust two-piece design	– Superior performance for primary and secondary retention force applications. Optimal protection for contact area.
Multiple contact points	– Key design feature in helping achieve superior electrical performance.



4.8 mm Connectors



6.3 mm Connectors



9.5 Connectors



Mixed Connectors

DELPHI

www.delphi.com/connect

Connection Systems
Mail Code 483.400.301
5725 Delphi Drive, Troy, MI 48098-2815 U.S.A.
Tel: [1] 248.813.2334 Fax: [1] 248.813.2333

Delphi High-Current Ducon™ Series

Application Guidelines

4.8 mm

Cable Range 0.5 mm² - 6.0 mm²
 Current Range 45 amps
 Temperature Range . . -40°C to +135°C
 Resistance <10 mΩ @ 20 mV
 Voltage Drop. <4.0 mV/amp

6.3 mm

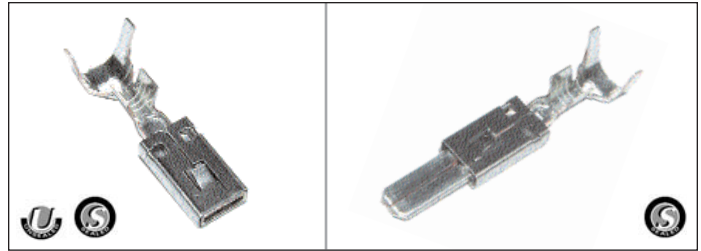
Cable Range 1.5 mm² - 6.0 mm²
 Current Range 55 amps
 Temperature Range . . -40°C to +135°C
 Resistance <10 mΩ @ 20 mV
 Voltage Drop. <4.0 mV/amp

9.5 mm

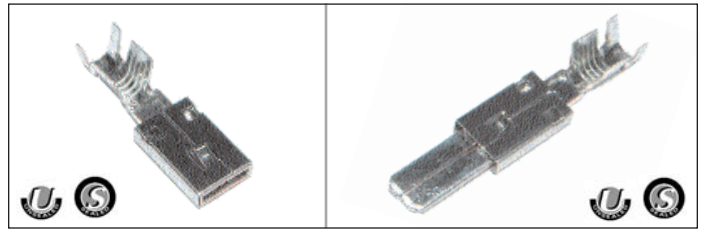
Cable Range 4.0 mm² - 16.0 mm²
 Current Range 115 amps
 Temperature Range . . -40°C to +135°C
 Resistance <10 mΩ @ 20 mV
 Voltage Drop. <4.0 mV/amp

9.5 mm HT

Cable Range 4.0 mm² - 16.0 mm²
 Current Range 116 amps
 Temperature Range . . -23°C to +150°C
 Resistance <10 mΩ @ 20 mV
 Voltage Drop. <4.0 mV/amp



4.8 mm

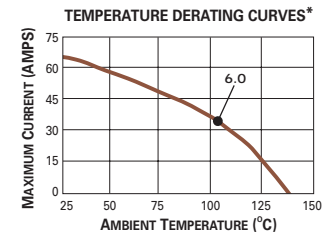
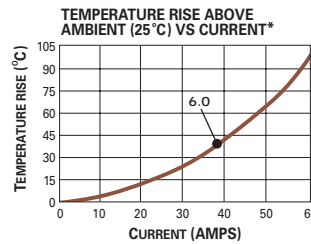


6.3 mm

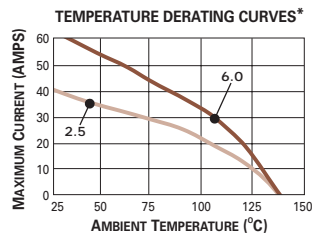
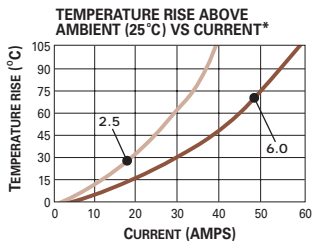


9.5 mm

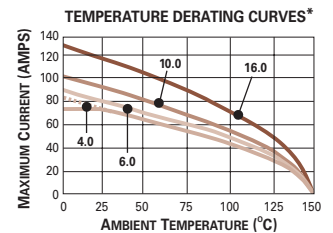
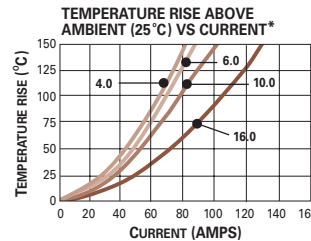
6.3 SERIES SEALED TERMINALS-Tin Plated



4.8 SERIES UNSEALED TERMINALS-Tin Plated



9.5 HT SERIES TERMINALS-Tin Plated



*The test data are based on single circuits in free space and were generated using a "Lumped Resistance" model. This model does not account for all of the variables that would be present in an actual application. For actual product performance, please contact Delphi Connection Systems at [1] 248.813.2334.