

Product Overview

The DUCON contact terminal system was developed for applications with high power density. The DUCON terminal system provides a maximum of current capacity like no other system. By maximizing the current capacity the required tab size is reduced by one level – a definitive advantage when packaging size must be minimized.

Market Segments

Automotive
Commercial Vehicle

Features and Benefits

- Tab size range 0,8 mm - 9,5 mm
- Tab 9,5mm allows crimps up to 16mm²
- System Sealed / Unsealed
- Extreme high current performance
- Multiple contact points
- Low energy, low voltage capability
- Excellent resistance to temperature, chemicals, abrasion and vibration
- Rugged two piece terminal construction

Typical Applications

Wherever packaging constraints limit the number of lines or the amount of power being connected by standard terminal types, the application of DUCON terminals is the only way to bring more lines or more power to the place where it's need it. That is the reason why DUCON terminals are used in so many

- Door connectors
- Rear-mirrors
- Heated steering wheels
- Cabin through connections
- Ignition switch
- Fan device
- Blower switch
- Electric Power Steering



Application Guidelines

0.8 DUCON

Crimp sizes:

0.5-1.0mm²

Tin, sealed and unsealed, male and female

Max current capacity 15A

Temperature range -40°...135°

1.5 DUCON

Crimp sizes:

0.5-1.0mm², 1.5-2.5mm²

Tin, sealed and unsealed, male and female

Max current capacity 25A

Temperature range -40°...135°

2.8 DUCON

Crimp sizes:

0.5-1.0mm², 1.5-2.5mm²

Tin, sealed and unsealed, male and female

Max current capacity 33A

Temperature range -40°...135°

4.8 DUCON

Crimp sizes:

0.5-1.0mm², 1.5-2.5mm², 4.0-6.0mm²

Tin, sealed (male/female), unsealed (female)

Max current capacity 45A

Temperature range -40°...135°

6.3 DUCON

Crimp sizes:

1.5-2.5mm², 4.0-6.0mm²

Tin, sealed and unsealed, male and female

Max current capacity 55A

Temperature range -40°...135°

9.5 DUCON

Crimp sizes:

4.0-6.0mm², 10mm², 16mm²

Tin, unsealed (not 16mm² male), sealed (female)

Max current capacity 115A

Temperature range -40°...135°/150°

Terminals

0.8 DUCON

12131423 female, tin, 0.5-1.0, unsealed
10717928 female, tin, 0.5-1.0, sealed
15327159 male, tin, 0.5-1.0 unsealed
15327159 male, tin, 0.5-1.0 sealed

1.5 DUCON

12147302 female, tin, 0.5-1.0 unsealed
12147303 female, tin, 1.5-2.5 unsealed
12158097 female, tin, 0.5-1.0 sealed
10717964 female, tin, 1.5-2.5 sealed
12147299 male, tin, 0.5-1.0 unsealed
12147300 male, tin, 1.5-2.5 unsealed
12158104 male, tin, 0.5-1.0 sealed
10724374 male, tin, 1.5-2.5 sealed

2.8 DUCON

12147451 female, tin 0.5-1.0 unsealed
12147304 female, tin 1.5-2.5 unsealed
12158098 female, tin 0.5-1.0 sealed
12185008 female, tin 1.5-2.5 sealed
12147400 male, tin 0.5-1.0 unsealed
12147301 male, tin 1.5-2.5 unsealed
12185129 male, tin 0.5-1.0 sealed
12185237 male, tin 1.5-2.5 sealed

4.8 DUCON

12185227 female, tin 0.5-1.0 unsealed
12147596 female, tin 1.5-2.5 unsealed
12147597 female, tin 4.0-6.0 unsealed
12185009 female, tin 0.5-1.0 sealed
12185550 female, tin 1.5-2.5 sealed
10717927 female, tin 4.0-6.0 sealed
12185235 male, tin 0.5-1.0 sealed
12185236 male, tin 1.5-2.5 sealed
10724435 male, tin 4.0-6.0 sealed

6.3 DUCON

15396853 female, tin 1.5-2.5 unsealed
12185272 female, tin 4.0-6.0 unsealed
12147473 female, tin 1.5-2.5 sealed
12147474 female, tin 4.0-6.0 sealed
13553063 female, SnAg 4.0-6.0 sealed
15396854 male, tin 1.5-2.5 unsealed
15343823 male, tin 4.0-6.0 unsealed
15344632 male, tin 1.5-2.5 sealed
15344631 male, tin 4.0-6.0 sealed

9.5 DUCON

10724458 female, tin 4.0-6.0 unsealed
15344957 female, tin 10 unsealed
15327010 female, tin 4.0-6.0 sealed
10730408 female, CuNiSi tin 10.0 sealed
15408423 female, K55 SnAg 10.0 sealed
15458196 female, CuNiSi tin 16.0 sealed
15458198 female, K55 SnAg 16.0 sealed
10724456 male, tin 4.0-6.0 unsealed
10724426 female, tin 4.0-6.0 unslid. sp. FE 90°
12162754 female, tin 10.0 unsealed sp. Fe 90°
12185271 male, tin 4.0-6.0 unsealed sp. Fe 90°
12186555 male, tin 10.0 unsealed sp. Fe 90°

Terminal Crimp Tooling

Delphi Global Crimp Tooling
PSG Hand Crimp Tool

NOTE: For correct reference of terminal part number to the hand crimp tool please contact your Power & Signal Group Representative.

Housings

A variety of housings is available.

NOTE: For further information regarding part numbers or availability please contact your Power & Signal Group 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.

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