

MULTIPIN Plugs & Receptacles

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MELTRIC offers a broad range of multipin devices for use in a wide variety of control and power applications. Each device features MELTRIC spring-loaded, silver-nickel, butt-style contact technology that maximizes durability and performance. Multipin devices are available with as many as 37 or as few as 4 contacts. Products range from 4 A up to 50 A per contact and some include current interruption and/or horsepower ratings.



PN7c COMPACT 5 TO 7 PIN CONNECTORS

- Up to 15 A per contact
- IP66/IP67
- Poly or metal casings

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PN12c COMPACT 12 PIN CONNECTORS

- Up to 15 A per contact
- IP54/55 (SS), IP66/IP67 (Poly & Metal)
- Poly or metal casings

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DSN12c POLY CONNECTORS UP TO 12 PINS

- Up to 15 A per contact
- IP66/IP67/IP69/IP69K
- Crimp or solder terminals

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DSN24c/DS24c CONNECTORS UP TO 24 PINS

- Up to 10 A per contact
- IP54/55 (SS), Type 4X/IP66/IP67 (Poly)
- Crimp or solder terminals

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DSN37c/DS37c CONNECTORS UP TO 37 PINS

- Up to 8 A per contact
- IP54/55 (SS), Type 4X/IP66/IP67 (Poly)
- Crimp or solder terminals

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DN9c HP RATED CONNECTORS - 9 PINS

- Up to 5 hp @ 480 VAC or 20 A per contact
- Multiple power or control circuits
- Metal casings

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DN20c HP RATED CONNECTORS - 20 PINS

- Up to 3 hp @ 480 VAC or 15 A per contact
- Multiple power or control circuits
- Metal casings

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DS7c/DR7c HIGHER AMP 4 TO 7 PIN CONNECTOR

- DS7c**
- Up to 30 A per contact and 3 auxiliary contacts
 - Suitable for current interrupting
- DR7c**
- Up to 50 A per contact and 3 auxiliary contacts
 - Non-current interrupting

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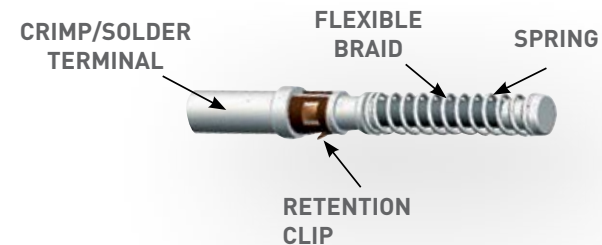
MULTIPIN CONTACTS

MELTRIC Multipin devices are available with either crimp/solder or screw type terminals. Each offers different advantages for different applications.

Crimp/Solder Terminals

PN12c | DSN12c | DSN24c | DS24c | DSN37c | DS37c

Crimp/solder terminals offer a space efficient, easy to work with termination solution. Crimping or soldering of the termination is completed before insertion into the device. This allows the installer ample space and access to terminals during installation.



After terminating the contact, simply insert it by pushing the contact into the back side of the interior insulator until it reaches a positive stop. The contact may be inserted and removed up to three times for future rewiring.

ECONOMIC AND TECHNICAL ADVANTAGES

Crimping ensures an economical and sustainable solution through installation time saving and quality of connection.

- No need for soldering performance qualifications.
- High resistance to vibrations.
- Handling more than 5000 operations: a high durability and quality of connection guaranteed.

FAST WIRING

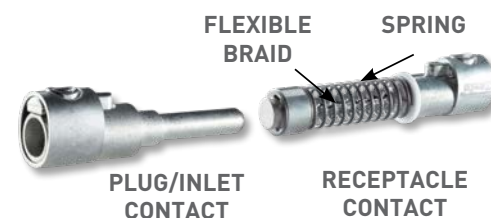
- Cable conductors: 18 AWG to 14 AWG.
- Before wiring, equip each conductor with a heat-shrink sleeve.
- After wiring, cover the terminal portion of the contact with the sleeve.
- Crimp the contact with a KNIPEX crimping tool Part # 61CA500 or a GREENLEE crimping tool Part # 45505.
- Perform a double crimping in compliance with the instructions.
- Terminals can also be soldered.

Screw Terminals

PN7c | DN9c | DN20c | DS7c | DR7c

MELTRIC screw terminals have a patented, spring-assisted design that provides permanent and secure conductor connections for the **PN7c**, **DS7c**, and **DR7c**. The patented spring ring design ensures constant pressure against the terminal and conductor. This keeps the terminal screw securely in place and helps to compensate for strand settlement and conductor yield.

Screw terminals are beneficial in situations where resistances to vibration, shock, and thermal cycling are necessary. Standard screw terminals (non-spring assist) are used on the **DN9c** and **DN20c**.



CRIMPING CONTACTS - SIMPLE ASSEMBLY AND DISASSEMBLY



Assembly

To insert contacts when they have been wired is simple. Push wired contact into rear of insulator until it stops to complete the installation.

Disassembly

To remove, use the tool provided. Push tool from front onto contact until tool stops. Contact is then released at rear of insulator.

