

May 3, 2011



- Single-pole and 2-pole power connectors
- Available in nine series with current ratings from 15 to 275* amps and voltage ratings up to 600 volts (AC or DC); equivalent to competition



- Contact wire range from 12 AWG to 300 MCM
- Contacts available
 - Cold-headed contacts for Series 50, 75, 120, 175,180 and 350 Connectors
 - Stamped and formed contacts for Series 15, 30,45, 50 and 75 Connector
- Integral stainless steel locking spring in housing for contact retention and mating force

^{*}Tested to 275 amps with 4/0 AWG wire



- Hermaphroditic/genderless housings reduce inventory
- Housings are color-coded
- Accessories (not used with every series):



- Reducing Bushings
- Mounting Clamps
- Mounting Wings
- Retaining Pins
- Battery Handle
- Dust Cover
- Strain Relief Cable Clamps

- Plastic Handle
- Outer Shell Housings (black) accept Single-Pole Housings to form 2- thru 10-Pole Connectors
- Charger Key
- Spacers



Series 15/30/45

- Single-pole housing
- Built-in interlocking features (dovetails) allow stacking and wire routing
- -Rated at 15 to 40 A, 600 V (AC or DC)
- -15 A contact for 16-20 AWG wire
- -30 A contact for 12-16 AWG wire
- -45 A contact for 10-14 AWG wire
- Accessories: Mounting wings, retaining pins, spacers, mounting clamps, cable clamp kits and outer shell housings (accept single-pole housings)



Housings can be Stacked





Series 50

- 2-pole housing
- Rated at 50 A, 600 V (AC or DC)
- Wire size 6-12 AWG
- Choice of cold-headed or stamped and formed contacts
- Accessories: Reducing bushings, strain relief cable clamps, dust cover, and plastic handle
- Optional special Finger Probe Resistant
 (FPR) version of housing available





Series 75

- Single-pole housing
- Built-in interlocking features (dovetails)
 allow stacking and wire routing
- -Rated at 75 A, 600 V (AC or DC)
- -Wire size 6-12 AWG
- Choice of cold-headed and stamped and formed contacts
- Accessories: Mounting wings, retaining pins, mounting clamp sets, and reducing bushings





Housings can be Stacked



Series 120 (Single-Pole)

- Built-in interlocking features(dovetails) allow stacking and wire routing
- -Rated at 120 A, 600 V (AC or DC)
- Wire size 2-6 AWG
- Cold-headed contacts
- Accessories: Retaining pins,reducing bushings, and mountingclamp sets





- Series 120 (2-Pole)
 - Rated at 120 A, 600 V (AC or DC)
 - Wire size 2-8 AWG
 - Cold-headed contacts
 - Accessories: Reducing bushings,
 retaining pins, and mounting clamp sets





• Series 175

- -2-pole housing
- -Rated at 175 A, 600 V (AC or DC)
- -Wire size 4-1/0 AWG
- Cold-headed contacts
- Accessories: Reducing bushings, battery handle, cable clamps and dust cover





• **Series 180**

- Single-pole housing
- Built-in interlocking features (dovetails)
 allow stacking and wire routing
- -Rated at 180 A, 600 V (AC or DC)
- Wire size 4-1/0 AWG
- Cold-headed contacts
- Accessories: Retaining pins, reducing bushings, and mounting clamps



With Mounting Clamps





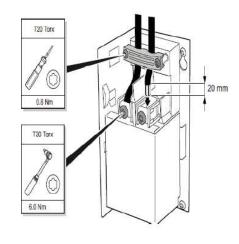
• Series 350

- 2-pole housing
- Rated at 275* A, 600 V (AC or DC);
 equivalent to competition
- Wire size 1/0-300 MCM
- Cold-headed contacts
- Accessories: Reducing bushings, battery handle and cable clamps





- Typical Applications Include:
 - Power Supplies
 - AC/DC Power Supply
 - AC/DC Power Converter
 - UPS Backup Power Units
 - Portable Power Supply
 - AC Power Cord
 - Power Junction Boxes
 - Charging Systems





Rechargeable Battery Applications



- Typical Applications Include:
 - Material Handling Equipment
 - Fork Lift Trucks
 - Electrical Vehicles
 - Golf Carts
 - Sweepers
 - Electric Cars
 - Medical
 - Wheelchairs
 - Industrial Equipment
 - Industrial Vacuum Cleaners



- Typical Applications Include:
 - Power Distribution Modules
 - Floors
 - Under Counters
 - Office Furniture
 - Modular Office Panels
 - Telecommunications
 - Telecom Rectifier
 - Telecom Power Plant



Features

- Color-coded connector housings
- Mechanical keys (2-pole version only)
- Hermaphroditic/genderless housings
- Single-pole housings are side-toside and top-to-bottom stackable
- Cold-headed and stamped & formed contacts

Benefits

- Color designates recommended application voltage
- Helps prevent two different voltage color-coded housings from mating
- Reduces inventory
- Flexibility of application with minimum part number inventory
- Wire range flexibility and application cost



- Application Tooling
 - PICO tools (recommended for cold-headed contacts)
 - Mechanical hand tool (for loose piece)
 - Heavy-duty pneumatic tool (for loose piece)
 - Heavy Duty Mini-applicators for the AMP-O-LECTRIC Model K bench machine for stamped & formed contacts
 - Applicator PN 1385664-2 (6-8 AWG)
 - Applicator PN 1385663-2 (10-12 AWG)
 - Taped version of the cold-headed contacts is available



Resources

- Catalog 1308885 Full Line
- Product Info. Kit 1309280 Series 50
- Flyer 1654450 Series 15/30/45
- Flyer 1309169 Series 50
- Flyer 1654219 Series 50 Finger Probe Resistant (FPR)
- Flyer 1309336 Series 75 Single-Pole
- Flyer 1654458 Series 120 Single-Pole
- Flyer 1309414 Series 120 2-Pole
- Flyer 1654204 Series 175 2-Pole
- Flyer 1654512 Series 180 Single-Pole
- Flyer 1654205 Series 350 2-Pole

