

Quixon Quick-Disconnect Terminals >

Quixon Quick-Disconnect Terminals help enable simplified assembly and easy maintenance by providing fast and reliable blind-mating connections with low insertion force and high retention force for use in a wide variety of applications.



ADVANTAGES AND FEATURES

Makes blind mating easy

Side-relief cut design helps by accommodating a slight angle during mating

Provides low insertion force to mate easily with UL-compliant male tabs while maintaining a high retention force

Flexing beam with standard dimple

Simplifies wire insertion

Flared-barrel entry captures all wire strands and funnels them into the crimp barrel

Enables universal use in numerous applications

Terminals mate to industry-standard 6.35 by 0.81mm (.25" by .032") tabs

| | |
|------------------------|---|
| Current (max.) | 7.0A (18 to 22 AWG) 15.0A (14 to 16 AWG) 24.0A (10 to 12 AWG) |
| Voltage | 300V (Avikrimp) 600V (InsulKrimp) |
| Wire Size | 10 to 22 AWG, 3.00 to 0.25mm ² |
| Operating Temperatures | -55 to +105°C (insulated) -55 to +149°C (uninsulated) |

Provides multiple options for greater design flexibility

Customers can choose between uninsulated, partially insulated and fully insulated versions to meet their application needs and safety requirements

Offers strain relief with Avikrimp versions and meets double-crimp VDE, IEC and DIN requirements

Metal ferrule that crimps onto the wire insulation is available standard with Avikrimp terminals

APPLICATIONS

Industrial

PCB connections
Switches
Terminal blocks
Contactors
Batteries
Motors

Consumer

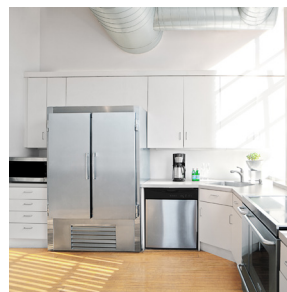
White goods
Brown goods
HVAC relays
Capacitors

Automotive

Gauges
Modules
Infotainment systems



PCB Connections



White Goods



Infotainment Systems

Quixon Quick-Disconnect Terminals

SPECIFICATIONS

Reference Information

Packaging: Box, Molded or metal strip on reels or Mylar tape on reels
 UL File No.: E79133 (when terminated with Molex-recommended tooling)
 CSA File No.: LR18689
 Mates With:
 Wire-to-wire tabs (series 19022, 19023, 19025)
 Wire-to-board tabs (series 19705, 19708, 19711, 19713)

Electrical

Voltage (max.):
 Avikrimp – 300V
 InsulKrimp – 600V
 Amperage (max. at 75°C ambient):
 18 to 22 AWG – 7.0A, 1.50 to 0.25mm²
 14 to 16 AWG – 15.0A, 2.50 to 1.00mm²
 10 to 12 AWG – 24.0A, 3.00 to 5.00mm²

Physical

Terminal Material: Brass
 Insulation Materials:
 Nylon 94V-2 rated (series 19275, 19276, 19277)
 PVC 94V-0 rated (series 19274)
 Plating: Matte Tin
 Operating Temperatures:
 -55 to +105°C (Insulated)
 -55 to +149°C (Uninsulated)

ORDERING INFORMATION

Krimptite Style (Uninsulated)

| Wire Range AWG mm ² | Part Series | |
|--|-------------|------------|
| | Loose Piece | Mylar Tape |
| 14 to 22 AWG 2.50 to 0.25mm ² | 19273 | 19273 |

InsulKrimp Style

| Wire Range AWG mm ² | Insulation | Color | Part Series | | | |
|--|------------|--------|-------------|------------|--------------|-------------|
| | | | Loose Piece | Mylar Tape | Molded Strip | Metal Strip |
| 14 to 22 AWG 2.50 to 0.25mm ² | Partial | Red | 19274 | 19274 | - | 19274 |
| | Full | | 19276 | 19276 | 19276 | - |
| 14 to 16 AWG 2.50 to 1.00mm ² | Partial | Blue | 19274 | 19274 | - | 19274 |
| | Full | | 19276 | 19276 | 19276 | - |
| 10 to 12 AWG 3.00 to 5.00mm ² | Full | Yellow | 19276 | 19276 | 19276 | - |

Avikrimp Style

| Wire Range AWG mm ² | Insulation | Color | Part Series | | |
|--|------------|--------|-------------|------------|-------------|
| | | | Loose Piece | Mylar Tape | Metal Strip |
| 18 to 22 AWG 1.50 to 0.25mm ² | Partial | Red | 19275 | 19275 | 19275 |
| | Full | | 19277 | 19277 | 19277 |
| 14 to 16 AWG 2.50 to 1.00mm ² | Partial | Blue | 19275 | 19275 | 19275 |
| | Full | | 19277 | 19277 | 19277 |
| 10 to 12 AWG 3.00 to 5.00mm ² | Full | Yellow | 19277 | 19277 | 19277 |

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