Achieve low insertion forces and convenient blind-mating to industry-standard tabs on PCBs, switches, capacitors, relays and other devices in consumer, industrial, HVAC and automotive aftermarket applications with Molex's Quixon™ Quick-Disconnect Terminals, featuring a flexing beam and side-relief cuts

Quixon™ Quick-Disconnect Terminals

19273 Quixon™ Krimptite™ Terminals (Un-insulated)

19274 Quixon™ InsulKrimp™ Terminals (Partially Insulated)

19275 Quixon™ AviKrimp™ Terminals (Partially Insulated)

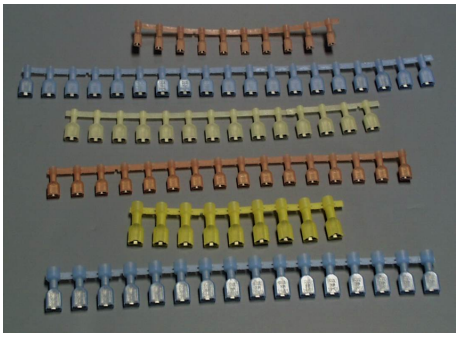
19276 Quixon™ InsulKrimp™ Terminals (Fully Insulated)

19277 Quixon™ AviKrimp™ Terminals (Fully Insulated)

Quixon™ quick-disconnect terminals expand Molex's existing AviKrimp™ (Series 19275, 19277), InsulKrimp™ (Series 19274, 19276) and Krimptite™ (Series 19273) quick disconnect terminal offers lower insertion force and greater blind-mate capability versus standard AviKrimp, InsulKrimp and Krimptite terminals.

Quixon quick-disconnect terminals are available in loose piece or on continuous plastic strip and Mylar tape for semi- or fully- automatic termination. Quixon quick-disconnect terminals meet UL requirements when used with Molex recommended tooling; however, terminals may be crimped with a variety of industry-standard tooling.

Quixon quick-disconnect terminals mate to industrystandard tabs offered by Molex (Series 19705, 19708, 19713, 19711). For additional information visit: www.molex.com/link/quixon.html.



Quixon Fully-Insulated Quick-Disconnect Terminals (Red = 18 to 22 AWG; Blue = 14 to 16 AWG; Yellow = 10 to 12 AWG)

FEATURES AND BENEFITS

- Flexing beam with standard dimple provides low insertion force to mate easily with UL-compliant male tabs while maintaining a high retention force
- Side-relief cut design makes blind mating easy by accommodating a slight angle during mating
- Flared-barrel entry for easy wire insertion captures all the wire strands and funnels them into the crimp barrel
- Un-insulated, partially or fully insulated versions available provides customers a choice for their applications and safety requirements
- Comes standard on AviKrimp™ terminal with a Brass sleeve on the barrel to provide strain relief and meet the double-crimp VDE, IEC and DIN requirement with a metal ferrule that crimps onto the wire insulation
- Terminals mate to industry-standard tabs, 6.35 by 0.81mm (.250 by .032") enabling universal use in numerous applications

SPECIFICATIONS

Reference Information

Packaging:
Box, Molded Strip on Reels or Mylar Tape on Reels

UL File No.:
E79133 (when terminated with Molex tooling)

CSA File No.: LR18689

Mates With:
Wire-to-Wire Tabs (Series 19022, 19024, 19023, 19025)
Wire-to-BoardTabs (Series19705, 19708, 19713, 19711)

Electrical

Voltage Rating:
AviKrimp™ 300V
InsulKrimp™ 600V

Amperage Rating (@ 75°C Ambient):
18 to 22 AWG —7.0A
14 to 16 AWG —15.0A
10 to 12 AWG —24.0A

Physical

Terminal Material: Brass

Insulation Materials:
Nylon 94V-2 Rated (Series 19275, 19276,19277)

PVC 94V-0 Rated (Series 19274)

Plating: Matte Tin (Sn)

Operating Temperature: -55 to +105°C

APPLICATIONS

- Industrial Markets
  - PCB Connections
  - Switches
  - Terminal Blocks
- Automotive Aftermarket
  - Gauges
  - Modules
- Consumer Industry
  - White Goods
  - Brown Goods
- HVAC
  - Relays
  - Capacitors
  - Contactors



Quixon™ Quick-Disconnect Terminals

19273 Quixon™ Krimptite™ Terminals (Un-insulated)

19274 Quixon™ InsulKrimp™ Terminals (Partially Insulated)

19275 Quixon™ AviKrimp™ Terminals (Partially Insulated)

19276 Quixon™ InsulKrimp™ Terminals (Fully Insulated)

19277 Quixon™ AviKrimp™ Terminals (Fully Insulated)

ORDERING INFORMATION

Krimptite™ Style (Un-insulated)

Wire Range AWG | mm²	Order No.	
	Loose Piece	Mylar Tape
18 -22 AWG | 1.50 - 0.25mm²	19273-0007	19273-0009
14 – 16 AWG | 2.50 – 1.00mm²	19273-0008	19273-0010

InsulKrimp™ Style

Wire Range AWG | mm²	Insulation	Color	Order No.			
			Loose Piece	Mylar Tape	Molded Strip	Metal Strip
18 – 22 AWG | 1.50 – 0.25mm²	Partial	Red	19274-0002	19274-0003	N/A	19274-0001
	Full		19276-0002	19276-0003	19276-0001	N/A
14 – 16 AWG | 2.50 – 1.00mm²	Partial	Blue	19274-0005	19274-0006	N/A	19274-0004
	Full		19276-0005	19276-0006	19276-0004	N/A
10 – 12 AWG | 3.00 – 5.00mm²		Yellow	19276-0008	19276-0009	19276-0007	

AvilKrimp™ Style

Wire Range AWG | mm²	Insulation	Color	Order No.		
			Loose Piece	Mylar Tape	Metal Strip
18 – 22 AWG | 1.50 – 0.25mm²	Partial	Red	19275-0002	19275-0003	19275-0001
	Full		19277-0002	19277-0003	19277-0001
14 – 16 AWG | 2.50 – 1.00mm²	Partial	Blue	19275-0005	19275-0006	19275-0004
	Full		19277-0005	19277-0006	19277-0004
10 – 12 AWG | 3.00 – 5.00mm²		Yellow	19277-0008	19277-0009	19277-0007

Application Tooling Cross Reference Chart

Quixon Order No.	ATP Die Set	Applicator	Quixon Order No.	ATP Die Set	Applicator	Quixon Order No.	Applicator
19274-0003	19288-0048	63885-0800	19275-0003	19288-0048	63885-0800	19276-0001	63883-7000
19276-0003	19288-0049	63885-7000	19277-0003	19288-0028	63885-2000	19276-0004	63883-4200
19274-0006	19288-0104	N/A	19275-0006	19288-0145	63885-0900	19276-0007	63883-2800
19276-0006	19288-0145	63885-4200	19277-0006	19288-0130	63885-0200	19277-0001	63881-2000
19276-0009	19027-0014	63885-2800	19277-0009	19027-0019	63885-2100	19277-0004	63881-0200
19274-0001	N/A	63881-0800	19275-0001	N/A	63881-0800	19277-0007	63881-2100
19274-0004		63881-0900	19275-0004		63881-0900		

Order No. 987650-5931

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