



# Quixon™ Quick-Disconnect Terminals

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

# Markets and Applications

## › Industrial Markets

- PCB Connectors
- Switches
- Terminal Blocks

## › Automotive Aftermarket

- Gauges
- Modules

## › Consumer Industry

- White Goods
- Brown Goods

## › HVAC

- Relays
- Capacitors
- Contactors



Washing Machine



Terminal Block

# Features and Benefits

Flexing beam with standard dimple	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	Provides strain relief and meets 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")	Enables universal use in numerous applications

# Specifications

<b>Voltage</b>	<b>AviKrimp™ 300V InsulKrimp™ 600V</b>
<b>Amperage Rating (@ 75°C Ambient):</b>	<b>18 to 22 AWG – 7.0A 14 to 16 AWG – 15.0A 10 to 12 AWG – 24.0A</b>
<b>Operating Temperature</b>	<b>-25 to +105°C</b>
<b>Insulation Materials</b>	<b>Nylon 94V-2 Rated (Series 19275, 19276,19277) PVC 94V-0 Rated (Series 19274)</b>
<b>Plating</b>	<b>Matte Tin (Sn)</b>
<b>Terminal Material</b>	<b>Brass</b>

# Ordering Information

## *Krimptite™ Style (Un-insulated)*

Wire Range AWG   mm <sup>2</sup>	Order No.	
	Loose Piece	Mylar Tape
18 - 22 AWG   1.50 - 0.25mm <sup>2</sup>	<a href="#">19273-0007</a>	<a href="#">19273-0009</a>
14 - 16 AWG   2.50 - 1.00mm <sup>2</sup>	<a href="#">19273-0008</a>	<a href="#">19273-0010</a>

## *InsulKrimp™ Style*

Wire Range AWG   mm <sup>2</sup>	Insulation	Color	Order No.			
			Loose Piece	Mylar Tape	Molded Strip	Metal Strip
18 - 22 AWG   1.50 - 0.25mm <sup>2</sup>	Partial	Red	<a href="#">19274-0002</a>	<a href="#">19274-0003</a>	N/A	<a href="#">19274-0001</a>
18 - 22 AWG   1.50 - 0.25mm <sup>2</sup>	Full	Red	<a href="#">19276-0002</a>	<a href="#">19276-0003</a>	<a href="#">19276-0001</a>	N/A
14 - 16 AWG   2.50 - 1.00mm <sup>2</sup>	Partial	Blue	<a href="#">19274-0005</a>	<a href="#">19274-0006</a>	N/A	<a href="#">19274-0004</a>
14 - 16 AWG   2.50 - 1.00mm <sup>2</sup>	Full	Blue	<a href="#">19276-0005</a>	<a href="#">19276-0006</a>	<a href="#">19276-0004</a>	N/A
10 - 12 AWG   3.00 - 5.00mm <sup>2</sup>	Full	Yellow	<a href="#">19276-0008</a>	<a href="#">19276-0009</a>	<a href="#">19276-0007</a>	N/A

# Ordering Information

## AviKrimp™ Style

Wire Range AWG (mm <sup>2</sup> )	Insulation	Color	Order No.		
			Loose Piece	Mylar Tape	Metal Strip
18 – 22 AWG   1.50 – 0.25mm <sup>2</sup>	Partial	Red	<a href="#">19275-0002</a>	<a href="#">19275-0003</a>	<a href="#">19275-0001</a>
18 – 22 AWG   1.50 – 0.25mm <sup>2</sup>	Full	Red	<a href="#">19277-0002</a>	<a href="#">19277-0003</a>	<a href="#">19277-0001</a>
14 – 16 AWG   2.50 – 1.00mm <sup>2</sup>	Partial	Blue	<a href="#">19275-0005</a>	<a href="#">19275-0006</a>	<a href="#">19275-0004</a>
14 – 16 AWG   2.50 – 1.00mm <sup>2</sup>	Full	Blue	<a href="#">19277-0005</a>	<a href="#">19277-0006</a>	<a href="#">19277-0004</a>
10 – 12 AWG   3.00 – 5.00mm <sup>2</sup>	Full	Yellow	<a href="#">19277-0008</a>	<a href="#">19277-0009</a>	<a href="#">19277-0007</a>

## 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	N/A	63881-0900	19275-0004	N/A	63881-0900		

The Molex logo is displayed in a bold, red, lowercase sans-serif font. A registered trademark symbol (®) is positioned at the top right of the letter 'x'. The logo is centered within a white rectangular box.

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