



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

Voltage	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
Operating Temperature	-25 to +105°C
Insulation Materials	Nylon 94V-2 Rated (Series 19275, 19276,19277) PVC 94V-0 Rated (Series 19274)
Plating	Matte Tin (Sn)
Terminal Material	Brass

Ordering Information

Krimptite™ Style (Un-insulated)

Wire Range AWG mm ²	Order No.	
	Loose Piece	Mylar Tape
18 - 22 AWG 1.50 - 0.25mm ²	19273-0007	19273-0009
14 - 16 AWG 2.50 - 1.00mm ²	19273-0008	19273-0010

InsulKrimp™ Style

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

Ordering Information

AviKrimp™ Style

Wire Range AWG (mm ²)	Insulation	Color	Order No.		
			Loose Piece	Mylar Tape	Metal Strip
18 – 22 AWG 1.50 – 0.25mm ²	Partial	Red	19275-0002	19275-0003	19275-0001
18 – 22 AWG 1.50 – 0.25mm ²	Full	Red	19277-0002	19277-0003	19277-0001
14 – 16 AWG 2.50 – 1.00mm ²	Partial	Blue	19275-0005	19275-0006	19275-0004
14 – 16 AWG 2.50 – 1.00mm ²	Full	Blue	19277-0005	19277-0006	19277-0004
10 – 12 AWG 3.00 – 5.00mm ²	Full	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	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 'x'. The logo is centered within a white rectangular box.

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