

## Datasheet for 76650-0043

### General Information

<b>Part Number:</b>	76650-0043
<b>Manufacturer:</b>	Molex / Waldom
<b>Title:</b>	Solderless Terminal Kit Assorted PVC Insulated Quick Disconnect, Ring, Spade, Butt Splice and Multi-Lock Terminals. Nylon Fully Insulated Quick Disconnect and Nylon Closed-End Terminals, with Crimp Tool
<b>Description:</b>	
<b>Product Family:</b>	Solderless Terminals
<b>Certificates:</b>	(Molex Parts within this kit) - EU RoHS Compliant, UL and CSA
<b>Country of Origin:</b>	Kit assembled in U.S.A.

### Specifications

#### Design

<b>Configuration:</b>	(Wire-to-Wire) and (Wire-to-Board) / Solderless Terminals
<b>Size(s):</b>	.250", # 6, # 10, 1/4" and 3/8"
<b>Insulation:</b>	PVC and Nylon
<b>Current Rating:</b>	Per (Proper) Wire Specification
<b>Voltage:</b>	Per (Proper) Wire Specification
<b>Wire size:</b>	(22-18), (22-14), (16-14) and (12-10)

### Product Highlights

Quick disconnects allow for quickly connecting or disconnecting a terminal. The front end of the terminal has a female-type receptacle which allows the terminal to slide onto and off of a male blade.

Spades have the open tongue end used for rapid insertion on the mounting screw. The spade is usually used on free standing studs.

Closed-end connectors are used in a variety of situations to "pigtail" or tie together 2 or more wires.

Butt Splices allow two stripped wires to be inserted into each end and "butt" in the center, with the crimp securing both wires together.

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Features and Benefits	Applications
<ul style="list-style-type: none"> <li>• Color-coded insulator allows easy identification of terminal size and wire gauge.</li> <li>• A wire stop stamped into the crimp barrel prevents insertion of over-stripped wires.</li> <li>• Terminal's funnel entrance is designed for increased crimping rates by speeding wire delivery into the crimp section and eliminating wire strand fold back.</li> <li>• The spade's open tongue end is for rapid insertion on the mounting screw / stud</li> <li>• The basic ring tongue type is the safest and most reliable because it cannot be disconnected unless the screw is completely removed.</li> </ul>	<ul style="list-style-type: none"> <li>• MRO (Maintenance Repair and Operations)</li> <li>• Consumer applications</li> <li>• Power applications</li> <li>• Motor applications</li> <li>• Powertrains</li> <li>• Transportation</li> <li>• Construction / Mining</li> <li>• Energy / Power</li> <li>• Production Equipment</li> <li>• Instrumentation</li> <li>• Environmental Equipment and Controls</li> <li>• Blower Motors</li> </ul>

**Bill of Materials for Part No. 76650-0043**

Molex Part No.	Country of Origin	Description	Quantity in Kit
19004-0005	USA	Fully Insulated .250" Male Quick Disconnects, 16-14 AWG	25
19005-0005	USA	Fully Insulated .250" Female Quick Disconnects, 16-14 AWG	25
19017-0037	USA	Insulated .250" Female Quick Disconnects, 16-14 AWG	25
19023-0012	USA	Insulated .250" Male Quick Disconnects, 16-14 AWG	25
19054-0033	USA	Insulated #6 Ring Tongue Terminals, 22-18 AWG	25
19054-0081	USA	Insulated #6 Ring Tongue Terminals, 16-14 AWG	25
19054-0086	USA	Insulated 1/4" Ring Tongue Terminals, 16-14 AWG	25
19054-0113	USA	Insulated #10 Ring Tongue Terminals, 16-14 AWG	25
19070-0123	USA	Insulated #10 Ring Tongue Terminals, 12-10 AWG	25
19070-0153	USA	Insulated 3/8" Ring Tongue Terminals, 12-10 AWG	25
19142-0003	USA	Insulated #6 Spade Terminals, 22-18 AWG	25
19142-0029	USA	Insulated #6 Spade Terminals, 16-14 AWG	25
19142-0032	USA	Insulated #10 Spade Terminals, 16-14 AWG	25
19144-0042	USA	Insulated #10 Spade Terminals, 12-10 AWG	25
19154-0004	USA	Insulated Butt Splice Connectors, 22-18 AWG	25
19154-0015	USA	Insulated Butt Splice Connectors, 16-14 AWG	25
19154-0028	USA	Insulated Butt Splice Connectors, 12-10 AWG	25
19160-0002	USA	Insulated Closed-end Splice Connectors, 16-10 AWG	25
19160-0012	USA	Insulated Closed-end Splice Connectors, 22-14 AWG	25
19216-0003	USA	Insulated Multi-Lock Connectors, 16-14 AWG	15

**For additional Molex / Waldom Design and Solution kits please go to [www.molexkits.com](http://www.molexkits.com)**

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CT-4071-1R^	Taiwan	Universal Hand Crimping Tool, 22-10 AWG	1
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^ = Tool Provided by Waldom

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#### Recommended Molex Tool(s) for Part No. 76650-0043\*

<b>Molex Part No.</b>	<b>Country of Origin</b>	<b>Description</b>
64001-0100 *	USA	Hand Crimp Tool (RHT-1990)
64001-0200 *	USA	Hand Crimp Tool (RHT-1991)
64001-0300 *	USA	Hand Crimp Tool (RHT-1993)
64001-0600 *	USA	Hand Crimp Tool (RHT-7000)
64001-1400 *	USA	Hand Crimp Tool (RHT-2100)
64001-1500 *	USA	Hand Crimp Tool (RHT-2200)
64001-2000 *	USA	Hand Crimp Tool (RHT-5758)
64001-4700 *	USA	Hand Crimp Tool (RHT-2761-CC)

\*Tool(s) not included in kit. Tool(s) ordered separately.